## EPA WORK ASSIGNMENT NUMBER: 076–2JZZ EPA CONTRACT NUMBER: 68–W8–0110 FOSTER WHEELER ENVIRONMENTAL CORPORATION

#### ARCS II PROGRAM

FINAL
SCREENING SITE INSPECTION (SSI)
ERDLE PERFORATING SITE
TOWN OF GATES
MONROE COUNTY, NEW YORK
CERCLIS NO: NYD982531865

**DECEMBER 1995** 

VOLUME IV OF IV

#### NOTICE

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#### RECOMMENDATIONS

The overall site score is 2.48. The groundwater and surface water pathways were scored on a potential-to-release basis because contamination could not be confirmed due to the lack of validated data. The soil pathway was scored on an observed contamination basis owing to the presence of volatile organics in on-site soils. The air pathway was also scored on a potential-to-release basis.

The groundwater pathway score is 0.48. The bedrock aquifer is utilized for drinking water purposes by an estimated population of 613 within the target distance limit (TDL). No groundwater resources were identified.

The surface water pathway score is 0.61. There are several sensitive environments within the 15-mile downstream surface water TDL including wetlands, state-designated areas for the protection of aquatic life, and a candidate for the federal threatened or endangered species list. There are also recreational fisheries along the TDL. However, there are no drinking water intakes along the downstream TDL.

The soil pathway score is 0.61. Workers are present at the site, but there are no residences, schools, or day-care centers within 200 feet of sources.

The air pathway score is 4.87. There is a population of 91,544 people residing within four miles of the site. In addition, there are 3,475 acres of wetlands and several sensitive environments within the TDL.

Existing data for the site were not validated in accordance with USEPA Region 2 procedures, and therefore, were not used to establish observed releases for scoring purpose. The existing data do suggest that proper validated data would likely result in confirmation of observed releases to groundwater and surface water. However, due to the small number of targets in the groundwater and surface water pathways, confirmation of observed releases to these pathways does not result in a score above 28.5. The likelihood of identifying targets subject to actual contamination is very small, since there are no groundwater targets within 1/2-mile of the site, no surface water intakes within the TDL, and only a small number of sensitive environments and wetlands along the surface water TDL.

Based on the available information and analysis presented herein, a No Further Remedial Action Planned (NFRAP) is recommended for the Erdle Perforating site.



#### 1

#### Record Information

- 1. Site Name: Erdle Perforating (as entered in CERCLIS)
- 2. Site CERCLIS Number: NYD982531865
- 3. Site Reviewer: Katherine B. Galanti
- 4. Date: November 1995
- 5. Site Location: Town of Gates/Monroe County/New York (City/County, State)
- 6. Congressional District:
- 7. Site Coordinates: Single

Latitude: 43 08'20.0" Longitude: 077 42'50.0"

#### Site Description

- 1. Setting: Suburban
- 2. Current Owner: Private Industrial
- 3. Current Site Status: Inactive
- 4. Years of Operation: A one-time event (spill), date: 2/5/87
- 5. How Initially Identified: Other Tank failed integrity test
- 6. Entity Responsible for Waste Generation:
  - Manufacturing
    - Other Manufacturing
- 7. Site Activities/Waste Deposition:
  - Tanks Below Ground

#### PAGE:

#### 2

#### Waste Description

- 8. Wastes Deposited or Detected Onsite:
  - Solvents

#### Response Actions

- 9. Response/Removal Actions:
  - Other Removal Action Has Occurred

#### RCRA Information

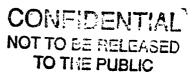
- 10. For All Active Facilities, RCRA Site Status:
  - Not Applicable

#### Demographic Information

- 11. Workers Present Onsite: Yes
- 12. Distance to Nearest Non-Worker Individual: > 10 Feet 1/4 Mile
- 13. Residential Population Within 1 Mile: 4298.0
- 14. Residential Population Within 4 Miles: 91544.0

#### Water Use Information

- 15. Local Drinking Water Supply Source:
  - Ground Water (within 4 mile distance limit)
- 16. Total Population Served by Local Drinking Water Supply Source: 613.0
- 17. Drinking Water Supply System Type for Local Drinking Water Supply Sources:
  - Private



- 18. Surface Water Adjacent to/Draining Site:
  - Stream

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1

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 HRS DOCUMENTATION RECORD Erdle Perforating - 11/16/95

1. Site Name: Erdle Perforating (as entered in CERCLIS)

2. Site CERCLIS Number: NYD982531865

3. Site Reviewer: Katherine B. Galanti

4. Date: November 1995

Site Location: Town of Gates/Monroe County/New York (City/County, State)

6. Congressional District:

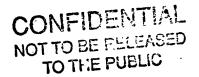
7. Site Coordinates: Single

Latitude: 43 08'20.0" Longitude: 077 42'50.0"

	Score
Ground Water Migration Pathway Score (Sgw)	0.48
Surface Water Migration Pathway Score (Ssw)	0.61
Soil Exposure Pathway Score (Ss)	0.61
Air Migration Pathway Score (Sa)	4.87
Site Score	2.48

#### NOTE

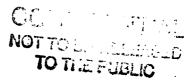
EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER MIGRATION PATHWAY SCORESHEET Erdle Perforating - 11/16/95

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Shallow Bedrock		
<ol> <li>Observed Release</li> <li>Potential to Release</li> <li>Containment</li> <li>Net Precipitation</li> <li>Depth to Aquifer</li> <li>Travel Time</li> <li>Potential to Release</li> <li>[lines 2a(2b+2c+2d)]</li> <li>Likelihood of Release</li> </ol>	550 10 10 5 35 500 550	0 10 1 5 35 410 410
Waste Characteristics		
4. Toxicity/Mobility 5. Hazardous Waste Quantity 6. Waste Characteristics Targets	* * 100	1.00E+02 10 6
7. Nearest Well 8. Population 8a. Level I Concentrations 8b. Level II Concentrations 8c. Potential Contamination 8d. Population (lines 8a+8b+8c) 9. Resources 10. Wellhead Protection Area 11. Targets (lines 7+8d+9+10) 12. Targets (including overlaying aquifers) 13. Aquifer Score	50  **  **  **  5  20  **  100	9.00E+00 0.00E+00 0.00E+00 7.00E+00 0.00E+00 0.00E+00 1.60E+01 1.60E+01 0.48
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	0.48

<sup>\*</sup> Maximum value applies to waste characteristics category.



<sup>\*\*</sup> Maximum value not applicable.

#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

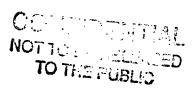
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow 2a. Containment 2b. Runoff 2c. Distance to Surface Water 2d. Potential to Release by Overland Flow [lines 2a(2b+2c)] 3. Potential to Release by Flood	10 25 25 500	10 1 20 210
3a. Containment (Flood) 3b. Flood Frequency 3c. Potential to Release by Flood (lines 3a x 3b)	10 50 500	0 0 0
4. Potential to Release (lines 2d+3c) 5. Likelihood of Release	500 550	210 210
Waste Characteristics		
6. Toxicity/Persistence 7. Hazardous Waste Quantity 8. Waste Characteristics	* * 100	4.00E+01 10 3
Targets		
9. Nearest Intake 10. Population	50	0.00E+00
10a. Level I Concentrations 10b. Level II Concentrations 10c. Potential Contamination 10d. Population (lines 10a+10b+10c) 11. Resources	** ** ** 5	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
12. Targets (lines 9+10d+11)  13. DRINKING WATER THREAT SCORE	** 100	0.00E+00  0.00

<sup>\*</sup> Maximum value applies to waste characteristics category.
\*\* Maximum value not applicable.

#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	210
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 1000	2.00E+03 10 10
Targets		
18. Food Chain Individual 19. Population 19a. Level I Concentrations 19b. Level II Concentrations 19c. Pot. Human Food Chain Contamination 19d. Population (lines 19a+19b+19c) 20. Targets (lines 18+19d)	50 ** ** ** **	2.00E+01 0.00E+00 0.00E+00 3.03E-03 3.03E-03 2.00E+01
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.51

<sup>\*</sup> Maximum value applies to waste characteristics category.
\*\* Maximum value not applicable.



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		******
22. Likelihood of Release (same as line 5)	550	210
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc. 24. Hazardous Waste Quantity 25. Waste Characteristics	* * 1000	2.00E+03 10 10
Targets		
26. Sensitive Environments 26a. Level I Concentrations 26b. Level II Concentrations 26c. Potential Contamination 26d. Sensitive Environments (lines 26a+26b+26c) 27. Targets (line 26d)	** ** ** **	0.00E+00 0.00E+00 4.00E+00 4.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.10
29. WATERSHED SCORE	100	0.61
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.61

<sup>\*</sup> Maximum value applies to waste characteristics category.



<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Overburden		
1. Observed Release 2. Potential to Release	550	0
2a. Containment 2b. Net Precipitation	10 10	10 1
2c. Depth to Aquifer 2d. Travel Time 2e. Potential to Release	5 35	5 35
[lines 2a(2b+2c+2d)] 3. Likelihood of Release	500 550	410 410
Waste Characteristics		
4. Toxicity/Mobility/Persistence 5. Hazardous Waste Quantity 6. Waste Characteristics	* * 100	4.00E+01 10 3
Targets		
7. Nearest Intake 8. Population	50	0.00E+00
8a. Level I Concentrations 8b. Level II Concentrations	**	0.00E+00 0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c) 9. Resources	** 5	0.00E+00 0.00E+00
10. Targets (lines 7+8d+9)	3 **	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

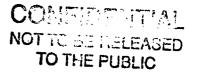
<sup>\*</sup> Maximum value applies to waste characteristics category.

<sup>\*\*</sup> Maximum value not applicable.

#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	410
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc. 14. Hazardous Waste Quantity 15. Waste Characteristics	* * 1000	2.00E+03 10 10
Targets		
16. Food Chain Individual 17. Population	50	6.00E+00
17a. Level I Concentrations 17b. Level II Concentrations 17c. Pot. Human Food Chain Contamination 17d. Population (lines 17a+17b+17c) 18. Targets (lines 16+17d)	** ** ** **	0.00E+00 0.00E+00 1.81E-03 1.81E-03 6.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.30

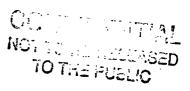
<sup>\*</sup> Maximum value applies to waste characteristics category.
\*\* Maximum value not applicable.



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Erdle Perforating - 11/16/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	410
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc. 22. Hazardous Waste Quantity 23. Waste Characteristics	* * 1000	2.00E+01 10 3
Targets		
24. Sensitive Environments 24a. Level I Concentrations 24b. Level II Concentrations 24c. Potential Contamination 24d. Sensitive Environments (lines 24a+24b+24c) 25. Targets (line 24d)	** ** ** **	0.00E+00 0.00E+00 1.00E+00 1.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.01
27. WATERSHED SCORE	100	0.31
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.31

<sup>\*</sup> Maximum value applies to waste characteristics category.

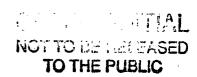


<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SOIL EXPOSURE PATHWAY SCORESHEET Erdle Perforating - 11/16/95

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity 3. Hazardous Waste Quantity 4. Waste Characteristics	* * 100	1.00E+04 10 18
Targets		
5. Resident Individual 6. Resident Population	50	0.00E+00
<ul> <li>6a. Level I Concentrations</li> <li>6b. Level II Concentrations</li> <li>6c. Resident Population (lines 6a+6b)</li> <li>7. Workers</li> <li>8. Resources</li> <li>9. Terrestrial Sensitive Environments</li> <li>10. Targets (lines 5+6c+7+8+9)</li> </ul>	** ** 15 5 ***	0.00E+00 0.00E+00 0.00E+00 5.00E+00 0.00E+00 5.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	4.95E+04

<sup>\*</sup> Maximum value applies to waste characteristics category.



<sup>\*\*</sup> Maximum value not applicable.

<sup>\*\*\*</sup> No specific maximum value applies, see HRS for details.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SOIL EXPOSURE PATHWAY SCORESHEET Erdle Perforating - 11/16/95

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility 13. Area of Contamination 14. Likelihood of Exposure	100 100 500	1.00E+01 5.00E+00 5.00E+00
Waste Characteristics		
15. Toxicity 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 100	1.00E+04 10 18
Targets		
18. Nearby Individual 19. Population Within 1 Mile 20. Targets (lines 18+19)	1 ** **	1.00E+00 4.00E+00 5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	4.50E+02
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.61

<sup>\*</sup> Maximum value applies to waste characteristics category.

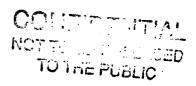
<sup>\*\*</sup> Maximum value not applicable.

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 11 AIR PATHWAY SCORESHEET Erdle Perforating - 11/16/95

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release 2. Potential to Release 2a. Gas Potential to Release 2b. Particulate Potential to Release 2c. Potential to Release 3. Likelihood of Release	550 500 500 500 550	360 360 360 360
Waste Characteristics		
4. Toxicity/Mobility 5. Hazardous Waste Quantity 6. Waste Characteristics Targets	* * 100	1.00E+04 10 18
7. Nearest Individual 8. Population 8a. Level I Concentrations 8b. Level II Concentrations 8c. Potential Contamination 8d. Population (lines 8a+8b+8c)	50 ** ** **	2.00E+01 0.00E+00 0.00E+00 4.00E+01 4.00E+01
9. Resources 10. Sensitive Environments 10a. Actual Contamination 10b. Potential Contamination 10c. Sens. Environments(lines 10a+10b) 11. Targets (lines 7+8d+9+10c)	*** *** *** ***	0.00E+00 0.00E+00 2.00E+00 2.00E+00 6.20E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	4.87E+00

<sup>\*</sup> Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.



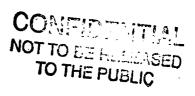
<sup>\*\*\*</sup> No specific maximum value applies, see HRS for details.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: TCE UST CONTAM SOIL

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00



13

#### 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	TCE UST CONTAM SOIL
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   561.00
e. Source Volume/Area Value	1.65E-02
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	1.65E-02

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Dichloroethylene, trans-1,2- Tetrachloroethene Trichloroethylene	> 2 > 2 > 2 > 2	NO NO YES	3.5E+02 6.0E+02 6.6E+03	ppm ppm ppm

# Documentation for Source Type:

Source consists of contaminated soil associated with a TCE UST excavation. Analytical results indicated contaminated soil was present in the walls and floor of the excavation.

Reference: 9, pp. 14-16 of 57



WASTE QUANTITY

Erdle Perforating - 11/16/95

Documentation for Secondary Source Type:

There were no secondary sources associated with the contaminated soil.

Reference: 9, pp. 13 and 17 of 57

### Documentation for Source Hazardous Substances:

Soil samples collected from the excavation pit of a TCE underground storage tank indicated the presence of contamination of organic solvents. Contaminants in the soil were caused by leakage from the tank.

Sample Location E was utilized as background because it contained the lowest volatile organic concentrations and no soil sample was collected from outside the excavation to use as background. TCE and PCE were undetectable in E; 1,2-DCE was detected at 0.66 ppm.

Sample Locations D, F-K, and M-P were contaminated with TCE at concentrations greater than three times background levels. TCE concentrations ranged from 0.053 to 6,618 ppm.

Sample Location D, G, H, J, and L-O were contaminated with 1,2-DCE at concentrations greater than three times background levels. 1,2-DCE concentrations ranged from 2.4 to 354 ppm.

Sample Locations D, F-H, J, O, and P were contaminated with tetrachloroethene (PCE) at concentrations greater than three times background levels. PCE concentrations ranged from 0.091 to 600 ppm.

Sample Location O contained the highest level of contamination of volatile organics.

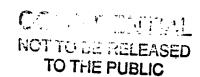
Analytical data are not validated. Quantitation limits for this sample are 50 ppb (ug/kg).

Reference: 9, pp. 13 through 17 and 28 through 39 of 57

Documentation for Source Volume:

Contaminated soil area (Tier D) data only. No Tier C data available.

Reference:



PAGE:

### PAGE:

15

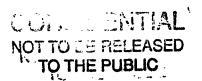
Erdle Perforating - 11/16/95

#### Documentation for Source Area:

Area of contamination calculated from surface area of walls and floor of excavation which indicated contaminant concentrations at levels greater than three times background.

Area of entire floor = 230 sq. ft. Area of entire west wall = 95 sq. ft. Area of entire east wall to a depth of 5 ft. = 73 sq. ft. (A 5 foot depth was used because the background sample (Sample E) is located at 5 ft.) Area of entire south wall = 163 sq. ft.

Reference: 9, pp. 15 and 16 of 57

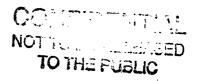


# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: SD-2

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00



#### 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

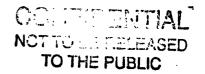
a. Source ID	SD-2
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   1.00
e. Source Volume/Area Value	2.94E-05
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.94E-05

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Dichloroethylene, trans-1,2-	< 2	NO	1.0E+01	bbw
Tetrachloroethene	< 2	NO	3.9E-02	bbw
Trichloroethylene	< 2	NO	1.6E-01	bbw
Vinyl chloride	< 2	NO	4.8E-02	bbw

### Documentation for Source Type:

Sampling performed by Radian Engineering in December 1994 indicated contaminants were present in a sediment sample from an intermittent surface water body on the site at concentrations greater than three times background levels. The intermittent sediment sample was evaluated as a soil sample.

Reference: 17, pp. 74 and 76 of 584



PAGE:

Documentation for Secondary Source Type:

No secondary sources were found to be associated with SD-2.

Reference: 17, p. 32 of 584

Documentation for Source Hazardous Substances:

Based on validated analytical results of samples collected by Radian Engineering in December 1994.

The intermittent stream sediment sample (SD-2) was evaluated as a soil sample. Several volatile organics were detected in SD-2 at concentrations greater than three times background levels. 1,2-Dichloroethene was detected at 10,000D ppb, tetrachloroethene was detected at 39 ppb, trichloroethene was detected at 160 ppb, and vinyl chloride was detected at 48 ppb. Vinyl chloride and tetrachloroethene concentrations were flagged as "J" values during validation because the holding time was exceeded. However, these data were used to evaluate this source because there was no laboratory flag.

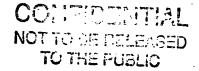
Soil sample SF-5 was designated as the upgradient background soil sample. No volatile organic compounds were detected at this location.

Reference: 17, pp. 49, 74, 76, 208-210, and 274 of 584

Documentation for Source Volume:

Contaminated soil area (Tier D) data only. No Tier C data available.

Reference:



PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

Documentation for Source Area:

Contaminated area associated with SD-2 is unknown. An estimated area of 1 sq. ft. was used.

Reference:

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# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: S-1

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

# Erdle Perforating - 11/16/95

## 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

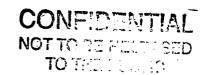
a. Source ID	S-1
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   1.00
e. Source Volume/Area Value	2.94E-05
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.94E-05

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Dichloroethylene, trans-1,2-	< 2	NO	1.0E-01	ppm
Trichloroethane, 1,1,1-	< 2	NO	2.4E-02	ppm
Trichloroethylene	< 2	NO	3.2E-02	ppm

#### Documentation for Source Type:

Based on validated analytical results from the RI by Radian, S-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47 and 49 of 584



## WASTE QUANTITY

Erdle Perforating - 11/16/95

Documentation for Secondary Source Type:

No secondary sources were reported to be associated with this source.

Reference: 17, pp. 47 and 49 of 584

Documentation for Source Hazardous Substances:

Based on validated analytical data collected by Radian in December 1994 S-1 was found to be contaminated with several volatile organic compounds. S-1 contained 24 ppb trichloroethane, 100 ppb 1,2-DCE, and 32 ppb TCE at concentrations greater than three times background levels.

SF-5 was designated as the background sample because of its location upgradient and away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 206-207, and 274 of 584

Documentation for Source Volume:

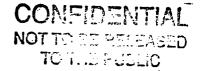
Contaminated soil area (Tier D) data only. No Tier C data available.

Reference:

Documentation for Source Area:

Contaminated soil area is unknown. Area estimated to be 1 sq. ft.

Reference:



PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: SF-1

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

24

## WASTE QUANTITY

Erdle Perforating - 11/16/95

### 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

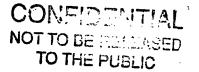
a. Source ID	SF-1
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   1.00
e. Source Volume/Area Value	2.94E-05
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.94E-05

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	
Dichloroethylene, trans-1,2-		NO	6.6E-02	ppm

# Documentation for Source Type:

Based on validated analytical data from the RI, SF-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background values.

Reference: 17, pp. 47 and 49 of 584



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 WASTE QUANTITY

Erdle Perforating - 11/16/95

Documentation for Secondary Source Type:

No secondary sources were found to be associated with this sample location.

Reference: 17, pp. 47 and 49 of 584

Documentation for Source Hazardous Substances:

Based on validated analytical data from soil samples collected by Radian in December 1994. SF-1 was found to contain 66 ppb of 1,2-DCE at concentrations greater than three times background levels.

SF-5 was designated as the background sample because of its upgradient location away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 213-214, and 274 of 584

Documentation for Source Volume:

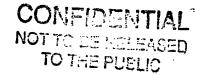
Contaminated soil area (Tier D) data only. No Tier C data available.

Reference:

Documentation for Source Area:

Contaminated soil area is unknown. Area of contamination estimated to be 1 sq. ft.

Reference:



PAGE:

# PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: WASTE QUANTITY

Erdle Perforating - 11/16/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: SF-2

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

# WASTE QUANTITY

Erdle Perforating - 11/16/95

### SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

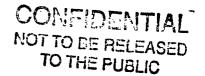
a. Source ID	SF-2
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   1.00
e. Source Volume/Area Value	2.94E-05
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.94E-05

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Dichloroethylene, trans-1,2-	> 2	NO	5.1E+01	ppm
Trichloroethylene	> 2	NO	2.8E+00	

### Documentation for Source Type:

Based on validated analytical results from the RI, subsurface soil at SF-2 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47, 48, and 50 of 584



PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94

WASTE QUANTITY

Erdle Perforating - 11/16/95

Documentation for Secondary Source Type:

No secondary sources were found to be associated with this location.

Reference: 17, pp. 47 and 50 of 584

#### Documentation for Source Hazardous Substances:

Based on validated analytical results from subsurface soil samples collected by Radian in December 1994. SF-2 was found to be contaminated with 51,000D ppb 1,2-DCE and 2,800 ppb TCE at concentrations greater than three times background levels.

SF-4 was designated as the background subsurface sample because of its upgradient location away from other sources. No 1,2-DCE or TCE was detected in SF-4.

SF-2 and SF-4 were sampled from the 5-7 foot intervals.

Reference: 17, pp. 47, 48, 50, 215-222, and 273 of 584

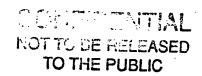
Documentation for Source Volume:

Contaminated soil area (Tier D) data only. No Tier C data available. Reference:

Documentation for Source Area:

Area of contamination is unknown. Contaminated area estimated to be 1 sq. ft.

Reference:



PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE:

## WASTE QUANTITY

Erdle Perforating - 11/16/95

## 3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	TCE UST CONTAM SOIL	GW-SW-SE-A	1.65E-02	0.00E+00	1.65E-02
2	SD-2	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05
3	S-1	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05
4	SF-1	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05
5	SF-2	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05

Erdle Perforating - 11/16/95

### 4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E+02	10	6
SW: Overland Flow, DW	Tox./Persistence	4.00E+01	10	3
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	2.00E+03	10	10
SW: Overland Flow, Env	Etox./Persis./Bioacc.	2.00E+03	10	10
SW: GW to SW, DW	Tox./Persistence	4.00E+01	10	3
SW: GW to SW, HFC	Tox./Persis./Bioacc.	2.00E+03	10	10
SW: GW to SW, Env	Etox./Persis./Bioacc.	2.00E+01	10	3
Soil Exposure:Resident	Toxicity	1.00E+04	10	18
Soil Exposure: Nearby	Toxicity	1.00E+04	10	18
Air	Toxicity/Mobility	1.00E+04	10	18

<sup>\*</sup> Hazardous Waste Quantity Factor Values

Note:

SW = Surface Water GW = Ground Water

DW = Drinking Water Threat HFC = Human Food Chain Threat Env = Environmental Threat

<sup>\*\*</sup> Waste Characteristics Factor Category Values

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY AQUIFER SUMMARY

Erdle Perforating - 11/16/95

No. Aquifer ID	Туре	Overlaying No.	Inter- Connected with	Likelihood of Release	Targets
1 Overburden	Non R	0	0	410	0.00E+00
2 Shallow Bedrock	Non K	1	0	410	1.60E+01

#### Containment

-----

No.	Source	ID	HWQ Value	Containment Value		
1 2	TCE UST	CONTAM	SOIL 1.65E-02 2.94E-05	10		
3	S-1		2.94E-05	10		
5	SF-1 SF-2		2.94E-05 2.94E-05	10 10		

Containment Factor 10

Documentation for Ground Water Containment, Source TCE UST CONTAM SOIL:

Based on HRS Table 3-2.

Evidence of hazardous substance migration from source area = 10. Unvalidated analytical results indicate that groundwater has been impacted by volatile organic compounds.

Reference: 1, p. 1 of 1; 17, pp. 63-66 of 584

Documentation for Ground Water Containment, Source SD-2:

Based on HRS Table 3-2.

No liner = 10.

Source consists of contaminated sediment from an intermittent stream (soil) in an outfall ditch.

Reference: 1, p. 1 of 1; 17, p. 76 of 584



PAGE:

Documentation for Ground Water Containment, Source S-1:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soils and sediments.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Ground Water Containment, Source SF-1:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soil/sediment.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Ground Water Containment, Source SF-2:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soil/sediment.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Net Precipitation

Net Precipitation (inches)



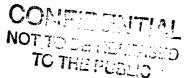
# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY AQUIFER SUMMARY Erdle Perforating - 11/16/95

PAGE: 33

Documentation for Net Precipitation:

Based on HRS Figure 3-2. Net precipitation factor = 3.

Reference: 1, p. 1 of 1



Aquifer: Overburden

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

### Documentation for Overburden Aquifer:

Groundwater exists in two distinct zones at the site: the overburden and the shallow bedrock. The overburden aquifer is present from 1 to 2 feet below ground surface in the stratified drift and weathered glacial till materials. This aquifer extends to the top of the unweathered glacial till at a depth of approximately 8 to 9 feet below ground surface. The unweathered till is laterally consistent across the site. Groundwater flow in the overburden aquifer is to the south-southeast.

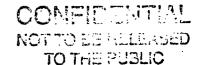
Reference: 17, pp. 38 through 46 of 584

#### OBSERVED RELEASE

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor



### PREscore 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Overburden AQUIFER Erdle Perforating - 11/16/95

POTENTIAL TO RELEASE

Containment --------

Containment Factor

10

Net Precipitation

Net Precipitation Factor

1

Depth to Aquifer

A. Depth of Hazardous Substances

7.00 feet

Documentation for Depth of Hazardous Substances:

Maximum depth of contamination is 7 feet. This is based on soil sampling conducted during the drilling of MW-1. A soil sample collected from a depth of 5 to 7 feet was found to contain 1,2-dichloroethene, trichloroethene, and total xylenes at concentrations greater than three times background levels. This data is validated and was generated as part of the Radian Corporation RI.

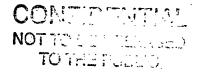
Reference: 17, pp. 47, 48, and 184 through 440 of 584

B. Depth to Aquifer from Surface

0.89 feet

Documentation for Depth to Aquifer from Surface :

MW-1 is the closest monitoring well to the former waste TCE UST, located adjacent to the former tank. The ground surface at this well has an elevation of 557.37 feet. The water level in this well is 556.48 feet. Therefore, the depth to the aquifer is 557.37 - 556.48 = 0.89 feet.



Reference: 17, pp. 44 and 119 of 584

C. Depth to Aquifer (B - A)

0.00

feet

Depth to Aquifer Factor

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

Karst geology was not identified to be present beneath the site.

Reference: 17, pp. 38 through 46 of 584

Thickness of Layer(s) with Lowest Conductivity 0.00

feet

Documentation for Thickness of Layers with Lowest Conductivity:

Since the overburden (unconfined) aquifer is being evaluated and the water table is less than 1 foot below ground surface, and the lowest known level of contamination is seven feet below ground surface, there are no layers between the lowest known level of contamination and the top of the aquifer.

Reference: 17, pp. 44, 47, 48, 119, and 184 through 440 of 584

Hydraulic Conductivity (cm/sec)

0.0E-00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE:
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Overburden AQUIFER
Erdle Perforating - 11/16/95

Documentation for Hydraulic Conductivity:

There is no layer between the lowest known level of waste and the top of the aquifer since the top of the overburden aquifer is less than 1 foot below ground surface. As a result, there is no hydraulic conductivity.

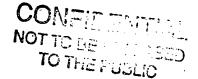
Reference: 17, pp. 44, 47, 48, 119, and 184 through 440 of 584

Travel Time Factor

35

37

Potential to Release Factor 410



Aquifer: Shallow Bedrock

Type of Aquifer: Non Karst

Overlaying Aquifer: 1

Interconnected with: 0

Documentation for Shallow Bedrock Aquifer:

Groundwater exists in two distinct zones at the site: the overburden aquifer and the shallow bedrock aquifer. The shallow bedrock aquifer is separated from the overlying overburden aquifer by a layer of low permeability, unweathered glacial till. The unweathered glacial till, ranging in thickness from 4 to 8 feet, acts as a confining layer for the shallow bedrock aquifer. The bedrock is comprised of the Lockport Dolomite and is not karst. Groundwater flow in the shallow bedrock is to the south-southeast.

The bedrock aquifer is not considered to be interconnected with the overburden aquifer because according to HRS Table 3-6, unweathered till is assigned a permeability of 10E-8 cm/sec. Permeability of the overburden at the site averages 3.9E-5 cm/sec. Permeability of the bedrock at the site averages 1.7E-1 cm/sec. Therefore, an intervening unit with a permeability of two orders of magnitude lower than the aquifers exists at the site and the aquifers are not interconnected.

Reference: 1, p. 1 of 1; 17, pp. 38-46 of 584

OBSERVED RELEASE

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

0



POTENTIAL TO RELEASE

Containment

Containment Factor

10

Net Precipitation

Net Precipitation Factor

1

Depth to Aquifer

A. Depth of Hazardous Substances

7.00 feet

Documentation for Depth of Hazardous Substances:

The maximum depth of contamination is 7 feet. This is based on soil sampling conducted during drilling of MW-1. A soil sample collected from a depth of 5 to 7 feet below ground surface was found to contain 1,2-dichloroethene, trichloroethene, and total xylenes at concentrations greater than three times background levels. These data were validated and were generated as part of the Radian Corporation RI.

Reference: 17, pp. 47, 48, and 184 through 440 of 584

B. Depth to Aquifer from Surface

13.00 feet

Documentation for Depth to Aquifer from Surface :

The average depth to the top of bedrock at the site is 13 feet below ground surface.

Reference: 17, p. 38 of 584

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C. Depth to Aquifer (B - A)

6.00

feet

41

Depth to Aquifer Factor

5

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

Karst geology was not identified to be present beneath the site.

Reference: 17, pp. 38 through 46 of 584

Thickness of Layer(s) with Lowest Conductivity 3.00 feet

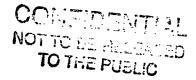
Documentation for Thickness of Layers with Lowest Conductivity:

The average depth to bedrock is 13 feet below ground surface. A low permeability, unweathered glacial till layer with thickness ranging from 4 to 8 feet overlies the bedrock. Disregarding any portion of this layer at depths of less than 10 feet below ground surface leaves us with a thickness of the unweathered glacial till of 3 feet.

Reference: 17, pp. 38 through 46 of 584

Hydraulic Conductivity (cm/sec)

1.0E-08



Documentation for Hydraulic Conductivity:

Based on HRS Table 3-6.

The layer with the lowest hydraulic conductivity is the unweathered glacial till. This layer is comprised compact, unfractured till. Compact, unfractured till permeability = 10E-8 cm/sec.

Reference: 1, p. 1 of 1; 17. pp. 38 and 43 of 584

Travel Time Factor 35

Potential to Release Factor 410

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PAGE: 43

Source: 1 TCE UST CONTAM SOIL

Source Hazardous Waste Quantity Value: 0.02

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02
Tetrachloroethene	100	1.00E-02	1.00E+00
Trichloroethylene	10	1.00E-02	1.00E-01

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 2 SD-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02
Tetrachloroethene	100	1.00E-02	1.00E+00
Trichloroethylene	10	1.00E-02	1.00E-01
Vinyl chloride	10000	1.00E-02	1.00E+02

PAGE:

PAGE: 45

Source: 3 S-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02
Trichloroethane, 1,1,1-	1	1.00E-02	1.00E-02
Trichloroethylene	10	1.00E-02	1.00E-01

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value	
Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02	

PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

PAGE: 47

Source: 5 SF-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value	
Dichloroethylene, trans-1,2-	100	1.00E+00	1.00E+02	
Trichloroethylene	10	1.00E-02	1.00E-01	

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94
GROUND WATER PATHWAY WASTE CHARACTERISTICS

Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Well Observed Release
No. Hazardous Substance

Toxicity Mobility Value Value

Toxicity/ Mobility

48

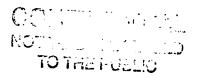
Value

PAGE:

- N/A and/or data not specified

COMPONENTAL NOT TO LEASE LESS . TO THE CABLE

Toxicity/Mobility Value from Source Hazardous Substances:	1.00E+02
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	1.00E+02
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	6



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY TARGETS FOR AQUIFER Overburden Erdle Perforating - 11/16/95

PAGE: 5

50

Population by Well

Distance Level of

No. Well ID Sample Type (miles) Contamination Population

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY TARGETS FOR AQUIFER Overburden Erdle Perforating - 11/16/95

### Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	0.0	0.00E+00
> 1/4 to 1/2	0.0	0.00E+00
> 1/2 to 1	0.0	0.00E+00
> 1 to 2	0.0	0.00E+00
> 2 to 3	0.0	0.00E+00
> 3 to 4	0.0	0.00E+00

Potential Contamination Factor:

0.000

Documentation for Target Population > 0 to 1/4 mile Distance Category:

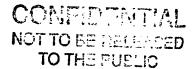
Population was determined using population radius rings by Frost Associates, as well as more recent data obtained from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to draw water from the bedrock aquifer.

Reference: 20, p. 1 and 2 of 2; 19, p. 13 of 13

Documentation for Target Population > 1/4 to 1/2 mile Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 13 of 13



## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY TARGETS FOR AQUIFER Overburden Erdle Perforating - 11/16/95

Documentation for Target Population > 1/2 to 1 mile Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 1 to 2 miles Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 2 to 3 miles Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 3 to 4 miles Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, all private well users are assumed to get groundwater from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13



PAGE: 53

Nearest Well

Level of Contamination: N.A.

Nearest Well Factor: 0.00E+00

Documentation for Nearest Well:

The nearest well to the site is a residential well located 0.92 mile south, on the south side of Chili Road in the Town of Chili. Although it is not known from what aquifer the well obtains its water, it is assumed to draw water from the bedrock aquifer because of the shallow depth to bedrock in the area.

Reference: Figure 1; 17, p. 114 of 584; 20, p. 1 of 2

Resources

Resource Use: NO

Resource Factor: 0.00E+00

Documentation for Resources:

No resources identified.

Reference: 22, p. 1 of 1

Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

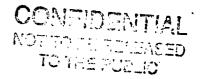
CONFIDENTIAL NOTTO IT PRESENTED TO THE RUBLES

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Overburden Erdle Perforating - 11/16/95

Documentation for Wellhead Protection Area:

There is no wellhead protection area located within Monroe County as per the Monroe County Environmental Management Council.

Reference: 22, p. 1 of 1



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Shallow Bedrock Erdle Perforating - 11/16/95

Population by Well

No. Well ID Sample Type Distance Level of (miles) Contamination Population

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGROUND WATER PATHWAY TARGETS FOR AQUIFER Shallow Bedrock Erdle Perforating - 11/16/95

### Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	0.0	0.00E+00
> 1/4 to 1/2	0.0	0.00E+00
> 1/2 to 1	3.0	1.00E-01
> 1 to 2	81.0	1.00E+00
> 2 to 3	210.0	2.10E+00
> 3 to 4	319.0	4.20E+00

Potential Contamination Factor:

7.000

Documentation for Target Population > 0 to 1/4 mile Distance Category:

Population determined using population radius rings by Frost Associates, as well as more recent data from Monroe County.

Reference: 20, pp. 1 and 2 of 2; 19, p. 13 of 13

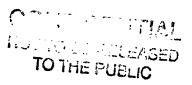
Documentation for Target Population > 1/4 to 1/2 mile Distance Category:

Population determined using population radius rings by Frost Associates, as well as more recent data from Monroe County.

Reference: 20, pp. 1 and 2 of 2; 19, p. 13 of 13

Documentation for Target Population > 1/2 to 1 mile Distance Category:

Population determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, it is assumed that all private well users draw water from the bedrock aquifer.



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Shallow Bedrock Erdle Perforating - 11/16/95

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 1 to 2 miles Distance Category:

Population determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, it is assumed that all private well users draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 2 to 3 miles Distance Category:

Population determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, it is assumed that all private well users draw water from the bedrock aguifer.

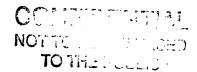
Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Documentation for Target Population > 3 to 4 miles Distance Category:

Population was determined using population radius rings by Frost Associates, as well as more recent data from Monroe County. Because of the shallow depth to bedrock, it is assumed that all private well users draw water from the bedrock aquifer.

Reference: 20, pp. 1 and 2 of 2; 19, p. 12 of 13

Nearest Well



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 58 GROUND WATER PATHWAY TARGETS FOR AQUIFER Shallow Bedrock Erdle Perforating - 11/16/95

Level of Contamination: Potential

Distance in miles: 0.92

Nearest Well Factor: 9.00E+00

#### Documentation for Nearest Well:

The nearest well to the site is a residential well located 0.92 mile to the south, on the south side of Chili Road in the Town of Chili. Although it is not known from what aquifer the well obtains its water, it is assumed that the well draws water from the bedrock aquifer because of the shallow depth to bedrock in the area.

Reference: Figure 1; 17, p. 114 of 584; 20, p. 1 of 2

Resources

Resource Use: NO

Resource Factor: 0.00E+00

#### Documentation for Resources:

Groundwater is not used as a resource within 4 miles of the site as per the Monroe County Environmental Management Council.

Reference: 22, p. 1 of 1

Wellhead Protection Area

No wellhead protection area

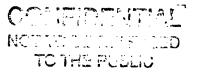
Wellhead Protection Area Factor: 0.00E+00

CONFIDENTIAL NOTES

Documentation for Wellhead Protection Area:

There are no wellhead protection areas designated within Monroe County as per the Monroe County Environmental Management Council.

Reference: 22, p. 1 of 1



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY SEGMENT SUMMARY

Erdle Perforating - 11/16/95

No. Segment ID	Segment Type	Water Type	Start Point (mi)	End Point (mi)	Average Flow (cfs)	
1 Unnamed tributary	River	Fresh	-0.10	0.70	0	
2 Little Black Creek	River	Fresh	0.70	4.60	2	
3 Genesee River	River	Fresh	4.60	15.00	368	

Documentation for segment: Unnamed tributary:

The unnamed tributary to Little Black Creek comprises the surface water segment from the PPE to 0.7 mile along the 15-mile surface water pathway. Average flow in the tributary is unknown, but was assumed to be less than 1 cfs.

Reference: 26, p. 1 of 1

Documentation for segment: Little Black Creek:

Little Black Creek comprises the surface water segment from the mouth of the unnamed tributary to the Genesee River, from miles 0.7 to 4.6. Average flow in Little Black Creek is unknown, but was assumed to be 2 cfs.

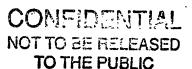
Reference: 26, p. 1 of 1

Documentation for segment: Genesee River:

The Genesee River comprises the last 11.4 miles of the 15-mile surface water pathway.

Long term average flow in the Genesee River at Rochester = 368 cfs.

Reference: 26, p. 1 of 1; 29, p. 4 of 4



60

PAGE:

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 61
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Erdle Perforating - 11/16/95

OBSERVED RELEASE

No.	Sample 1	ID	Sample Type	Distance	Level of	Contaminat	:ion
				(miles)	D <b>W</b>	HFC	Env

- N/A and/or data not specified

Observed Release Factor 0

O THE PUBLIC

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 62 SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

#### POTENTIAL TO RELEASE

Potential to Release by Overland Flow

#### Containment

. \_ \_ \_ \_ \_ \_ \_ \_ \_

No. Source	e ID	HWQ Value	Containment	Value
1 TCE US 2 SD-2 3 S-1 4 SF-1 5 SF-2	ST CONTAM SOI	L 1.65E-02 2.94E-05 2.94E-05 2.94E-05 2.94E-05	10 10 10 10 10	

Containment Factor: 10

Documentation for Overland Flow Containment, Source TCE UST CONTAM SOIL:

Based on HRS Table 4-2.

Site has no maintained engineered cover, no run-on control system and no runoff management system = 10.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Overland Flow Containment, Source SD-2:

Based on HRS Table 4-2.

Source has no maintained engineered cover, no run-on control system and no runoff management system = 10.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 63
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Erdle Perforating - 11/16/95

Documentation for Overland Flow Containment, Source S-1:

Based on HRS Table 4-2.

Site has no maintained engineered cover, no run-on control system, and no runoff management system = 10.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Overland Flow Containment, Source SF-1:

Based on HRS Table 4-2.

Site has no maintained engineered cover, no run-on control system, and no runoff management system = 10.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Overland Flow Containment, Source SF-2:

Based on HRS Table 4-2.

Site has no maintained engineered cover, no run-on control system and no runoff management system = 10.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 64
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Erdle Perforating - 11/16/95

Distance to Surface Water

Distance to Surface Water:

100.0 feet

Distance to Surface Water Factor:

20

Documentation for Distance to Surface Water:

The nearest surface water to the site is the unnamed tributary of Little Black Creek which forms the western boundary of the site. This tributary is located approximately 100 feet southwest of the former waste TCE UST.

Reference: Figure 1

Runoff

A. Drainage Area:

6.7 acres

Documentation for Drainage Area:

The site is calculated to be approximately 6.7 acres in size based on drawings in the RI report.

Reference: 17, p. 8 of 584

B. 2-year, 24-hour Rainfall:

2.5 inches

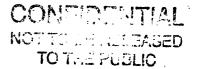


PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 65 SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95 Documentation for Rainfall: 2-year/24-hour rainfall for Monroe County is approximately 2.5 inches. Reference: 25, p. 2 of 2 C. Soil Group: Medium-textured soils with moderate infiltration rates Documentation for Soil Group: As stated in the Radian Corp. RI, site soils are sandy loams from the Lamson series. HRS Table 4-4 was used to determine the soil group. Sandy loam = B. Reference: 1, p. 1 of 1; 17, p. 18 of 584; 4, pp. 7, 13, and 14 of 14

Detertial to Delega by Overland Flow Rockers 200

Potential to Release by Overland Flow Factor: 210

Runoff Factor:



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 66
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Erdle Perforating - 11/16/95

Potential to Release by Flood

Flood Flood Potential
Containment Frequency to Release
No. Source ID HWQ Value Value Value by Flood

- N/A and/or data not specified

Potential to Release by Flood Factor: 0

Documentation for Flood Containment, Source TCE UST CONTAM SOIL:

No flood containment features were observed at the site.

Reference: 3, pp. 1-5 of 5

Documentation for Flood Frequency, Source TCE UST CONTAM SOIL:

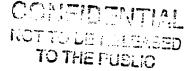
Source is located beyond the 500-year floodplain boundary.

Reference: 24, pp. 2 and 3 of 3

Documentation for Flood Containment, Source SD-2:

No flood containment features exist on the site.

Reference: 3, pp. 1-5 of 5



Documentation for Flood Frequency, Source SD-2:

Site is located beyond the 500-year floodplain boundary.

Reference: 24, pp. 2 and 3 of 3

Documentation for Flood Containment, Source S-1:

No flood containment features were observed on the site.

Reference: 3, pp. 1-5 of 5

Documentation for Flood Frequency, Source S-1:

Based on FIRM map, source is located beyond the 500-year floodplain boundary.

Reference: 24, pp. 2 and 3 of 3

Documentation for Flood Containment, Source SF-1:

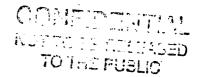
No flood containment features exist on the site.

Reference: 3, pp. 1-5 of 5

Documentation for Flood Frequency, Source SF-1:

Site is located beyond the 500-year floodplain boundary.

Reference: 24, pp. 2 and 3 of 3



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 68
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Erdle Perforating - 11/16/95

Documentation for Flood Containment, Source SF-2:

No flood containment features exist on the site.

Reference: 3, pp. 1-5 of 5

Documentation for Flood Frequency, Source SF-2:

Site is located beyond the 500-year floodplain boundary.

Reference: 24, pp. 2 and 3 of 3

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 69
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Dichloroethylene, trans-1,2-	100	4.00E-01	4.00E+01
Tetrachloroethene	100	4.00E-01	4.00E+01
Trichloroethylene	10	4.00E-01	4.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 70
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Dichloroethylene, trans-1,2-	100	4.00E-01	4.00E+01
Tetrachloroethene	100	4.00E-01	4.00E+01
Trichloroethylene	10	4.00E-01	4.00E+00
Vinyl chloride	10000	7.00E-04	7.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 71
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 3 S-1

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Dichloroethylene, trans-1,2-	100	4.00E-01	4.00E+01
Trichloroethane, 1,1,1-	1	4.00E-01	4.00E-01
Trichloroethylene	10	4.00E-01	4.00E+00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 72 SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 4 SF-1

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Dichloroethylene, trans-1,2-	100	4.00E-01	4.00E+01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 73
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Dichloroethylene, trans-1,2-	100	4.00E-01	4.00E+01
Trichloroethylene	10	4.00E-01	4.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 74 SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Sample Observed Release No. Hazardous Substance Value Value

Toxicity Persistence Toxicity/

Persistence

Value

- N/A and/or data not specified

TOXICITY/Persistence value from source Hazardous Substances:	4.00E+01
Toxicity/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence Factor:	4.00E+01
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	3

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 76
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Erdle Perforating - 11/16/95

### Level I Concentrations

- N/A and/or data not specified

#### Level II Concentrations

- N/A and/or data not specified

### Most Distant Level I Sample

- N/A and/or data not specified

### Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 77
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Erdle Perforating - 11/16/95

Level I Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes:

0.0

Level I Population Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 78
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Erdle Perforating - 11/16/95

Level II Concentrations

Distance Along the

In-water Segment from the

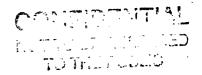
Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level II Intakes:

0.0

Level II Population Factor: 0.00E+00

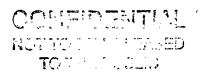


SW PATHWAY: OVERLAND FI	LOW/FLOOD COMPONENT DRI Erdle Perforating - 11/	ile 07/25/94 PAGE: 79 INKING WATER THREAT TARGETS /16/95
Intake ID	Average Annual Flow (cfs)	Population Served
- N/A and/or data no		
Type of Surface Water Body	Total Population	Dilution-Weighted Population
- N/A and/or data no	ot specified	
Dilution-Weighted Popul by Potentially Contamin	lation Served	).0
	Potential Contaminati	ion Factor: 0.0
Nearest Intake		
Location of Nearest Dri	inking Water Intake: N.	.A.
Nearest Intake Factor:	0.00	
Resources		
Resource Use: NO	,	
Resource Value: 0.00E+0	00	

Documentation for Resources:

No resources identified.

Reference:



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 80 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	100	4.00E-01	5.00E+01	2.00E+03
Tetrachloroethene	100	4.00E-01	5.00E+01	2.00E+03
Trichloroethylene	10	4.00E-01	5.00E+01	2.00E+02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 81 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	100	4.00E-01	5.00E+01	2.00E+03
Tetrachloroethene	100	4.00E-01	5.00E+01	2.00E+03
Trichloroethylene	10	4.00E-01	5.00E+01	2.00E+02
Vinyl chloride	10000	7.00E-04	5.00E+00	3.50E+01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 82 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 3 S-1

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	100	4.00E-01		2.00E+03
Trichloroethane, 1,1,1- Trichloroethylene	1 10	4.00E-01 4.00E-01	5.00E+00 5.00E+01	2.00E+00 2.00E+02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 83
SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 4 SF-1

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	100	4.00E-01	5.00E+01	2.00E+03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 84
SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

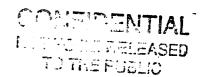
Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	100	4.00E-01	5.00E+01	2.00E+03
Trichloroethylene	10	4.00E-01	5.00E+01	2.00E+02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 85 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

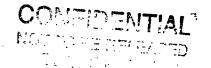
Sample Observed Release Toxicity Persistence Bio-Persistence/
No. Hazardous Substance Value Value Bioaccum.
Value Value

- N/A and/or data not specified



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 86
SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Toxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	2.00E+03
Toxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence/Bioaccumulation Factor:	2.00E+03
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	10



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 87
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Erdle Perforating - 11/16/95

### Level I Concentrations

- N/A and/or data not specified

### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 88
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Erdle Perforating - 11/16/95

Level I Concentrations

Annual Production Human Food Chain Fishery (pounds) Population Value

- N/A and/or data not specified

\_\_\_\_\_\_\_

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 89 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

Level II Concentrations

Annual Production Human Food Chain (pounds) Population Value Fishery (pounds)

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 90 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

### Potential Contamination

------

Fishery	Annnual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	Dilution Weight (Di)	Pi*Di
2 Little Black Creek 3 Genesee River		River River	2 368	1.00E+00 1.00E-02	

Sum of (Pi\*Di): 3.03E-02

Potential Human Food Chain Contamination Factor: 3.03E-03

Documentation for Unnamed tributary Fishery:

Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:

Documentation for Little Black Creek Fishery:

Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:

Documentation for Genesee River Fishery:

Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 91
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Erdle Perforating - 11/16/95

Food Chain Individual

Location of Nearest Fishery: Little Black Creek

Distance from the Probable Point of Entry: 0.70 miles

Type of Surface Water Body: River

Dilution Weight: 1.0000000

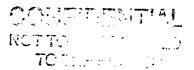
Level of Contamination: Potential

Food Chain Individual Factor: 20.00

Documentation for Little Black Creek:

Little Black Creek comprises the surface water segment from the mouth of the unnamed tributary to the Genesee River, from miles 0.7 to 4.6. Average flow in Little Black Creek is unknown, but was assumed to be 2 cfs.

Reference: 26, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 92 SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	1	4.00E-01	5.00E+01	2.00E+01
Tetrachloroethene	100	4.00E-01	5.00E+01	2.00E+03
Trichloroethylene	100	4.00E-01	5.00E+01	2.00E+03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 93
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	1	4.00E-01	5.00E+01	2.00E+01
Tetrachloroethene	100	4.00E-01	5.00E+01	2.00E+03
Trichloroethylene	100	4.00E-01	5.00E+01	2.00E+03
Vinyl chloride	0	7.00E-04	5.00E+00	0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 94
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 3 S-1

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2- Trichloroethane, 1,1,1-	1 10	4.00E-01 4.00E-01	5.00E+01 5.00E+00	2.00E+01 2.00E+01
Trichloroethylene	100	4.00E-01	5.00E+01	2.00E+03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 95
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 4 SF-1

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	1	4.00E-01	5.00E+01	2.00E+01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 96
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2-	1	4.00E-01		2.00E+01
Trichloroethylene	100	4.00E-01		2.00E+03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 97 SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Sample Observed Release toxicity Persistence Bio-Persistence/No. Hazardous Substance Value Value accum. Value Value

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 98
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Ecotoxicity/Persistence/Bioaccummulation Value from Source Hazardous Substances:	2.00E+03
Ecotoxicity/Persistence/Bioaccummulation Value from Observed Release Hazardous Substances:	0.00E+00
Ecotoxicity/Persistence/Bioaccummulation Factor:	2.00E+03
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	10

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 99
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

#### Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

# Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 100 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Level I Concentrations

Distance from Probable Sensitive Point of Entry to Environment Sensitive Environment Sensitive Env. (miles) Value - N/A and/or data not specified Sum of Sensitive Environments Values: Wetlands Distance from Probable Point of Entry to Wetlands
Wetland (miles) Frontage (miles) Wetland ------ N/A and/or data not specified \_\_\_\_\_\_ Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0 

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level I Concentrations Factor: 0.00E+00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 101
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Level II Concentrations

Sensitive Environment	Distance from Proposition Point of Entry to Sensitive Env. (1	o Environment
- N/A and/or data	not specified	
Sum of Sensitive Envi	ronments Values:	0
Wetlands		
Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
- N/A and/or data	not specified	
Total Wetlands Fronta	ge: 0.00 Miles To	otal Wetlands Value: 0

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 102 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Potential Contamination

Sensitive Environments

Type of Surface Environment
Water Body Sensitive Environment Value

River 6 Little Black Creek 5

River 7 Genesee River 5
River 8 Handsome sedge 50

## Wetlands

Type of Surface	Sensitive Environment	Wetlands	Wetlands
Water Body		Frontage	Value
River	1 CI-30	0.24	25
River	2 RH-2	1.00	25
River	3 RH-3	1.16	50
River	4 RH-20	0.84	25

Documentation for Sensitive Environment CI-30:

Wetlands occur 4.00 miles from the PPE.
Wetland frontage = 0.24 mile, as measured with planimeter.

Reference: 26, p. 1 of 1

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 103
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Documentation for Sensitive Environment RH-2:

Wetlands occur 5.4 miles from the PPE.
Wetland frontage = 1.00 mile, as measured with planimeter.

Reference: 26, p. 1 of 1

Documentation for Sensitive Environment RH-3:

Wetlands occur 5.5 miles from the PPE.
Wetland frontage = 1.16 miles, as measured with planimeter.

Reference: 26, p. 1 of 1

Documentation for Sensitive Environment RH-20:

Wetlands occur 13.6 miles from the PPE.
Wetland frontage = 0.84 mile, as measured with planimeter.

Reference: 26, p. 1 of 1

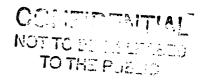
Documentation for Sensitive Environment Little Black Creek:

Little Black Creek is designated as a Class C and Class B stream within the 15-mile surface water pathway. Little Black Creek is located 0.7 mile from the PPE.

Class C and Class B streams are protected for fish life and fish propagation.

HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 14, 17 & 18 of 18; 28, p. 4 of 5



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 104
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Documentation for Sensitive Environment Genesee River:

The Genesee River is designated as a Class B stream within the 15-mile downstream surface water pathway. The Genesee River is located 4.6 miles from the PPE.

Class B streams are protected for fish life and fish propagation. HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

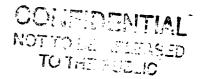
Reference: 1, p. 1 of 1; 27, pp. 13 & 18 of 18; 28, p. 4 of 5

Documentation for Sensitive Environment Handsome sedge:

The handsome sedge is a candidate for the federal threatened and endangered species list. A handsome sedge habitat is located 13.5 miles downstream from the PPE along the Genesee River.

HRS Table 4-23 was used to determine the sensitive environment value. Habitat known to be used by species under review as to its Federal endangered or threatened status = 50.

Reference: 1, p. 1 of 1; 26, p. 1 of 1; 31, pp. 4 and 6 of 6



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 105 SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Sum of Wetland Frontage Values(Wj	Dilution Weight ) (Dj)	Dj(Wj+Sj)
Minimal Stream Moderate to Large Stream	5 55	25 <b>7</b> 5	1.00E+00 1.00E-02	3.00E+01 1.30E+00
	Sui	Sum of Dj m of Dj(Wj		3.13E+01 3.13E+00

Potential Contamination Sensitive Environment Factor: 4.00E+00

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY GW TO SW CONTAINMENT SUMMARY Erdle Perforating - 11/16/95

Containment

No.	Source	ID	HWQ Value	Containment Value
1	TCE UST	CONTAM	SOIL 1.65E-02	10
2	SD-2		2.94E-05	10
3	S-1		2.94E-05	10
4	SF-1		2.94E-05	10
5	SF-2		2.94E-05	10

Containment Factor 10

Documentation for Ground Water Containment, Source TCE UST CONTAM SOIL:

Based on HRS Table 3-2.

Evidence of hazardous substance migration from source area = 10. Unvalidated analytical results indicate that groundwater has been impacted by volatile organic compounds.

Reference: 1, p. 1 of 1; 17, pp. 63-66 of 584

Documentation for Ground Water Containment, Source SD-2:

Based on HRS Table 3-2.

No liner = 10.

Source consists of contaminated sediment from an intermittent stream (soil) in an outfall ditch.

Reference: 1, p. 1 of 1; 17, p. 76 of 584

Documentation for Ground Water Containment, Source S-1:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soils and sediments.

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PAGE:

106

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY GW TO SW CONTAINMENT SUMMARY Erdle Perforating - 11/16/95

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Ground Water Containment, Source SF-1:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soil/sediment.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Documentation for Ground Water Containment, Source SF-2:

Based on HRS Table 3-2.

No liner = 10.

No evidence of containment of contaminated soil/sediment.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

Net Precipitation

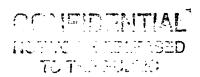
Net Precipitation (inches)

0.00

Documentation for Net Precipitation:

Based on HRS Figure 3-2. Net precipitation factor = 3.

Reference: 1, p. 1 of 1



PAGE:

107

#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 108 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

Aquifer: Overburden

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

### Documentation for Overburden Aquifer:

Groundwater exists in two distinct zones at the site: the overburden and the shallow bedrock. The overburden aquifer is present from 1 to 2 feet below ground surface in the stratified drift and weathered glacial till materials. This aquifer extends to the top of the unweathered glacial till at a depth of approximately 8 to 9 feet below ground surface. The unweathered till is laterally consistent across the site. Groundwater flow in the overburden aguifer is to the south-southeast.

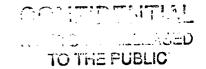
Reference: 17, pp. 38 through 46 of 584

### OBSERVED RELEASE

Distance Well Type No. Well ID (miles) Level of Contamination 

- N/A and/or data not specified

Observed Release Factor



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

POTENTIAL TO RELEASE

Ground Water to Surface Water Angle

Probable Point of Entry -0.10 miles

Angle Theta 119

Documentation for Ground to Surface Water PPE and Angle Theta:

According to HRS 4.2.1.2, the groundwater to surface water PPE is the straightest line drawn from the sources at the site to the nearest surface water body.

The groundwater to surface water PPE is located approximately 40 ft. (0.008 mile) upstream from the overland flow PPE. Since the groundwater to surface water PPE is located upstream from the overland flow PPE, the value is negative.

The distance between the groundwater to surface water PPE and the overland flow PPE = -0.01 MILE.

Theta calculated following HRS Figure 4-3.

Theta = 119.

Reference: 1, p. 1 of 1; Figure 1; Figure 2

Containment

Containment Factor 10

Net Precipitation

Net Precipitation Factor 1

Depth to Aquifer

A. Depth of Hazardous Substances 7.00 feet

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109

Documentation for Depth of Hazardous Substances:

Maximum depth of contamination is 7 feet. This is based on soil sampling conducted during the drilling of MW-1. A soil sample collected from a depth of 5 to 7 feet was found to contain 1,2-dichloroethene, trichloroethene, and total xylenes at concentrations greater than three times background levels. This data is validated and was generated as part of the Radian Corporation RI.

Reference: 17, pp. 47, 48, and 184 through 440 of 584

B. Depth to Aquifer from Surface

0.89 feet

110

Documentation for Depth to Aquifer from Surface :

MW-1 is the closest monitoring well to the former waste TCE UST, located adjacent to the former tank. The ground surface at this well has an elevation of 557.37 feet. The water level in this well is 556.48 feet. Therefore, the depth to the aquifer is 557.37 - 556.48 = 0.89 feet.

Reference: 17, pp. 44 and 119 of 584

C. Depth to Aquifer (B - A)

0.00 feet

Depth to Aquifer Factor

5

Travel Time

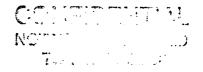
Are All Layers Karst?

NO

Documentation for Karst Layers:

Karst geology was not identified to be present beneath the site.

Reference: 17, pp. 38 through 46 of 584



#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 111 SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

Thickness of Layer(s) with Lowest Conductivity 0.00

feet

Documentation for Thickness of Layers with Lowest Conductivity:

Since the overburden (unconfined) aguifer is being evaluated and the water table is less than 1 foot below ground surface, and the lowest known level of contamination is seven feet below ground surface, there are no layers between the lowest known level of contamination and the top of the aquifer.

Reference: 17, pp. 44, 47, 48, 119, and 184 through 440 of 584

Hydraulic Conductivity (cm/sec)

0.0E-00

Documentation for Hydraulic Conductivity:

There is no layer between the lowest known level of waste and the top of the aquifer since the top of the overburden aquifer is less than 1 foot below ground surface. As a result, there is no hydraulic conductivity.

Reference: 17, pp. 44, 47, 48, 119, and 184 through 440 of 584

Travel Time Factor

35

Potential to Release Factor



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 112 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance	Toxicity Factor Value	Persist. Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Dichloroethylene, trans-1,2- Tetrachloroethene Trichloroethylene	100	4.00E-01 4.00E-01 4.00E-01	1.00E-02	4.00E+01 4.00E-01 4.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 113
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Toxicity Persist Factor Value Value	. Mobility Value	Toxicity/ Mobililty/ Persistence
Dichloroethylene, trans-1,2-	10 4.00E-01	1.00E+00	4.00E+01
Tetrachloroethene		1.00E-02	4.00E-01
Trichloroethylene		1.00E-02	4.00E-02
Vinyl chloride		1.00E-02	7.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 114
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 3 S-1

Hazardous Substance	Toxicity Factor Value	Persist. Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Dichloroethylene, trans-1,2- Trichloroethane, 1,1,1- Trichloroethylene	1	4.00E-01 4.00E-01 4.00E-01	1.00E-02	4.00E+01 4.00E-03 4.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 115
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Factor Value		Mobility Value	Toxicity/ Mobililty/ Persistence
Dichloroethylene, trans-1,2	- 100	4.00E-01	1.00E+00	4.00E+01

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PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 116
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

Hazardous Substance	Toxicity Factor Value	Persist. Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Dichloroethylene, trans-1,2-		4.00E-01	1.00E+00	4.00E+01
Trichloroethylene		4.00E-01	1.00E-02	4.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 117 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Toxicity Persist. Factor Value Toxicity Factor Value

Toxicity/ Persistence

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 118
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Toxicity/Mobility/Persistence Value from Source Hazardo Substances:	4.00E+01
Toxicity/Mobility/Persistence Value from Observed Releated Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence Factor:	4.00E+01
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	3

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 119 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Erdle Perforating - 11/16/95

### Level I Concentrations

- N/A and/or data not specified

#### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 120 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Erdle Perforating - 11/16/95

Level I Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes: 0.0

Level I Population Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 121 SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Erdle Perforating - 11/16/95

Level II Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

0.0

Population Served by Level II Intakes:

Level II Population Factor: 0.00E+00

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Erdle Perforating - 11/16/95

Potential Contamination

Average Annual Flow (cfs) 

Population Served

122

- N/A and/or data not specified

Type of Surface Water Body Population Population

Total Dilution-Weighted Population Population

- N/A and/or data not specified

Dilution-Weighted Population Served by Potentially Contaminated Intakes:

0.0

Potential Contamination Factor: 0.0

Nearest Intake -----

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources

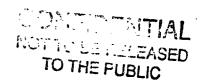
Resource Use: NO

Resource Value: 0.00E+00

Documentation for Resources:

No resources identified.

Reference:



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 123
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance	_	Persist. Value	Mobility Value		Tox./Mobil./ Persistence/ Bioaccum. Value	
Dichloroethylene, trans-1, Tetrachloroethene Trichloroethylene	100	4.00E-01	1.00E+00 1.00E-02 1.00E-02	5.00E+01	2.00E+01	

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 124
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Toxicity Value		Mobility Value	Bio- accum. Value	Tox./Mobil./ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2 Tetrachloroethene Trichloroethylene	100 10	4.00E-01 4.00E-01	1.00E+00 1.00E-02 1.00E-02	5.00E+01 5.00E+01	2.00E+01 2.00E+00
Vinyl chloride	10000	7.00E-04	1.00E-02	5.00E+00	3.50E-01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 125
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 3 S-1

Hazardous Substance	Toxicity Value	Persist. Value	Mobility Value	Bio- accum. Value	Tox./Mobil./ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2- Trichloroethane, 1,1,1-		4.00E-01			
Trichloroethylene		4.00E-01 4.00E-01			

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 126 SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance Toxicity Persist. Mobility Bio-Persistence/Value Value Value Value Value Value Value

Dichloroethylene, trans-1,2- 100 4.00E-01 1.00E+00 5.00E+01 2.00E+03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 127
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

Hazardous Substance	Toxicity Value	Mobility Value	Bio- accum. Value	Tox./Mobil., Persistence, Bioaccum. Value	,
Dichloroethylene, trans-1,2 Trichloroethylene		1.00E+00 1.00E-02			•

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 128 SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Toxicity/
Toxicity Persist. BioValue Value accum. Bioaccum.
Value Value

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 129
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Toxicity/Mobility/Persistence/Bioaccumulation Value from Source Hazardous Substances:	2.00E+03
Toxicity/Mobility/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence/Bioaccumulation Factor:	2.00E+03
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	10

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 130 SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

### Level I Concentrations

- N/A and/or data not specified

### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 131 SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

Level I Concentrations

Annual Production Human Food Chain (pounds) Population Value Fishery Fishery (pounds) Population Value

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 132 SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

Level II Concentrations ----

Annual Production Human Food Chain (pounds) Population Value Fishery

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 133
SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Erdle Perforating - 11/16/95

## Potential Contamination

------

Fishery	Annnual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)		Dilution Weight (Di)	Pi*Di
<ul><li>1 Unnamed tributary</li><li>2 Little Black Creel</li><li>3 Genesee River</li></ul>	1.0	River River River	0 2 368	0.0	3.00E-01 3.00E-01 3.00E-03	9.00E-03

Sum of (Pi\*Di): 1.81E-02

Potential Human Food Chain Contamination Factor: 1.81E-03

Documentation for Unnamed tributary Fishery:

Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:

Documentation for Little Black Creek Fishery:

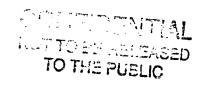
Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:

Documentation for Genesee River Fishery:

Production in pounds is not available. Production estimated to be 1 pound per year.

Reference:



## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 134 SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Erdle Perforating - 11/16/95

## Food Chain Individual

Location of Nearest Fishery: Unnamed tributary

Distance from the Probable Point of Entry: -0.10 miles

Type of Surface Water Body: River

Dilution Weight: 0.3000000

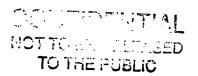
Level of Contamination: Potential

Food Chain Individual Factor: 20.00

## Documentation for Unnamed tributary:

The unnamed tributary to Little Black Creek comprises the surface water segment from the PPE to 0.7 mile along the 15-mile surface water pathway. Average flow in the tributary is unknown, but was assumed to be less than 1 cfs.

Reference: 26, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 135 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 1 TCE UST CONTAM SOIL

Hazardous Substance		Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value	
Dichloroethylene, tra Tetrachloroethene Trichloroethylene	100	4.00E-01 4.00E-01 4.00E-01	1.00E-02	5.00E+01	2.00E+01	

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 136 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 2 SD-2

Hazardous Substance	Eco- toxicity Value	Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2 Tetrachloroethene Trichloroethylene Vinyl chloride	100 100	4.00E-01 4.00E-01 4.00E-01 7.00E-04	1.00E-02 1.00E-02	5.00E+01 5.00E+01	2.00E+01 2.00E+01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 137
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 3 S-1

lazardous Substance	-	Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1, Trichloroethane, 1,1,1- Trichloroethylene	10	4.00E-01	1.00E+00 1.00E-02 1.00E-02	5.00E+00	2.00E-01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 138
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substa	nce		Persist. Value	Mob. Value	Bio- accum. Value	Mobility/ Persistence/ Bioaccum. Value	
Dichloroethylene	. trans-1.2-	. 1	4.00E-01	1.00E+00	5.00E+01	2.00E+01	

Baaband ad bar /

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 139
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 5 SF-2

Hazardous Substance	Eco- toxicity Persist Value Value	. Mob. Value	Bio- accum. Value	Mobility/ Persistence/ Bioaccum. Value
Dichloroethylene, trans-1,2 Trichloroethylene	- 1 4.00E-0 100 4.00E-0			



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 140
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

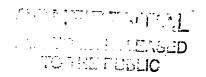
Dbserved Release toxicity Persist. Bio-Persistence/
Hazardous Value Value accum. Bioaccum.
Substance Value Value Value

- N/A and/or data not specified



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 141
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source Substances:		2.00E+01
Ecotoxicity/Mobility/Persistence/Bioaccummulation Observed Hazardous Substances:		0.00E+00
Ecotoxicity/Mobility/Persistence/Bioaccummulation	Factor:	2.00E+01
Sum of Source Hazardous Waste Quantity Values:		1.66E-02
Hazardous Waste Quantity Factor:		10
Waste Characteristics Factor Category:		3



#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 142 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

#### Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

#### Most Distant Level I Sample

- N/A and/or data not specified

#### Most Distant Level II Sample

- N/A and/or data not specified

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 143 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Distance from Probable Sensitive Point of Entry to Environment Sensitive Environment Sensitive Env. (miles) Value

- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Distance from Probable Point of Entry to Wetlands

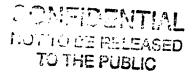
Wetland Wetland (miles) Frontage (miles)

- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level I Concentrations Factor: 0.00E+00



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 144
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Level II Concentrations

Distance from Probable Sensitive Point of Entry to Environment Sensitive Environment Sensitive Env. (miles) Value

- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Distance from Probable Point of Entry to Wetlands Frontage (miles)

- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0

Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 145 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
River	5 Unnamed Tributary	5
River	6 Little Black Creek	5
River	7 Genesee River	5
River	8 Handsome sedge	50

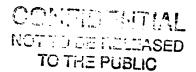
#### Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	1 CI-30	0.24	25
River	2 RH-2	1.00	25
River	3 RH-3	1.16	50
River	4 RH-20	0.84	25

Documentation for Sensitive Environment CI-30:

Wetlands occur 4.00 miles from the PPE.
Wetland frontage = 0.24 mile, as measured with planimeter.

Reference: 26, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 146
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Documentation for Sensitive Environment RH-2:

Wetlands occur 5.4 miles from the PPE.
Wetland frontage = 1.00 mile, as measured with planimeter.

Reference: 26, p. 1 of 1

Documentation for Sensitive Environment RH-3:

Wetlands occur 5.5 miles from the PPE.
Wetland frontage = 1.16 miles, as measured with planimeter.

Reference: 26, p. 1 of 1

Documentation for Sensitive Environment RH-20:

Wetlands occur 13.6 miles from the PPE.
Wetland frontage = 0.84 mile, as measured with planimeter.

Reference: 26, p. 1 of 1

Documentation for Sensitive Environment Unnamed Tributary:

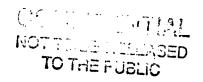
The Unnamed Tributary to Little Black Creek is designated as a Class C stream adjacent to the site.

Class C streams are protected for fish life and fish propagation.

HRS Table 4-23 used to determine sensitive environment value.

State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 14 & 17 of 18; 28, p. 4 of 5



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 147
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Erdle Perforating - 11/16/95

Documentation for Sensitive Environment Little Black Creek:

Little Black Creek is designated as a Class C and Class B stream within the 15-mile surface water pathway. Little Black Creek is located 0.7 mile from the PPE.

Class C and Class B streams are protected for fish life and fish propagation.

HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 14, 17 & 18 of 18; 28, p. 4 of 5

Documentation for Sensitive Environment Genesee River:

The Genesee River is designated as a Class B stream within the 15-mile downstream surface water pathway. The Genesee River is located 4.6 miles from the PPE.

Class B streams are protected for fish life and fish propagation. HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

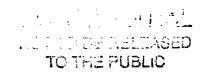
Reference: 1, p. 1 of 1; 27, pp. 13 & 18 of 18; 28, p. 4 of 5

Documentation for Sensitive Environment Handsome sedge:

The handsome sedge is a candidate for the federal threatened and endangered species list. A handsome sedge habitat is located 13.5 miles downstream from the PPE along the Genesee River.

HRS Table 4-23 was used to determine the sensitive environment value. Habitat known to be used by species under review as to its Federal endangered or threatened status = 50.

Reference: 1, p. 1 of 1; 26, p. 1 of 1; 31, pp. 4 and 6 of 6



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 148 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Erdle Perforating - 11/16/95

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Sum of Wetland Frontage Values(Wj)	Dilution Weight (Dj)	Dj(Wj+Sj)
Minimal Stream Moderate to Large Stream	10 55	25 75	3.00E-01 3.00E-03	1.05E+01 3.90E-01
	Sur	Sum of Dj n of Dj(Wj-		1.09E+01 1.09E+00

Potential Contamination Sensitive Environment Factor: 1.00E+00

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 149 SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE Erdle Perforating - 11/16/95

Likelihood of Exposure

No. Source ID Level of Contamination

2 SD-2 Level II
3 S-1 Level II
4 SF-1 Level II

Likelihood of Exposure Factor: 550

Documentation for Area of Contamination, Source TCE UST CONTAM SOIL:

Area of contamination calculated from surface area of walls and floor of excavation which indicated contaminant concentrations at levels greater than three times background.

Area of entire floor = 230 sq. ft.

Area of entire west wall = 95 sq. ft.

Area of entire east wall to a depth of 5 ft. = 73 sq. ft. (A 5 foot depth was used because the background sample (Sample E) is located at 5 ft.)

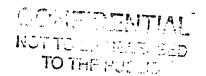
Area of entire south wall = 163 sq. ft.

Reference: 9, pp. 15 and 16 of 57

Documentation for Area of Contamination, Source SD-2:

Contaminated area associated with SD-2 is unknown. An area of contamination of 1 sq. ft. was estimated.

Reference:



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 150
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

Documentation for Area of Contamination, Source S-1:

Contaminated soil area unknown, but estimated to be 1 sq. ft.

Reference:

Documentation for Area of Contamination, Source SF-1:

Contaminated soil area unknown, but estimated to be 1 sq. ft.

Reference:

Documentation for Area of Contamination, Source SF-2:

Contaminated soil area unknown, but estimated to be 1 sq. ft.

Reference:

Source No.	ce Hazardous Substance	Depth (ft.)	Concent.	Cancer	RFD	Units
2	Dichloroethylene, trans-1,2-	< 2	1.0E+01	0.0E+00	1.2E+04	ppm
2	Tetrachloroethene	< 2	3.9E-02	1.1E+01	5.8E+03	ppm
2	Trichloroethylene	< 2	1.6E-01	5.3E+01	0.0E+00	ppm
2	Vinyl chloride	< 2	4.8E-02	3.1E-01	0.0E+00	ppm
3	Dichloroethylene, trans-1,2-	< 2	1.0E-01	0.0E+00	1.2E+04	ppm
3	Trichloroethane, 1,1,1-	< 2	2.4E-02	0.0E+00	0.0E+00	ppm
3	Trichloroethylene	< 2	3.2E-02	5.3E+01	0.0E+00	ppm
4	Dichloroethylene, trans-1,2-	< 2	6.6E-02	0.0E+00	1.2E+04	ppm



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 151
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

Documentation for Source TCE UST CONTAM SOIL, Contaminants:

Soil samples collected from the excavation pit of a TCE underground storage tank indicated the presence of contamination of organic solvents. Contaminants in the soil were caused by leakage from the tank.

Sample Location E was utilized as background because it contained the lowest volatile organic concentrations and no soil sample was collected from outside the excavation to use as background. TCE and PCE were undetectable in E; 1,2-DCE was detected at 0.66 ppm.

Sample Locations D, F-K, and M-P were contaminated with TCE at concentrations greater than three times background levels. TCE concentrations ranged from 0.053 to 6,618 ppm.

Sample Location D, G, H, J, and L-O were contaminated with 1,2-DCE at concentrations greater than three times background levels. 1,2-DCE concentrations ranged from 2.4 to 354 ppm.

Sample Locations D, F-H, J, O, and P were contaminated with tetrachloroethene (PCE) at concentrations greater than three times background levels. PCE concentrations ranged from 0.091 to 600 ppm.

Sample Location O contained the highest level of contamination of volatile organics.

Analytical data are not validated. Quantitation limits for this sample are 50 ppb (ug/kg).

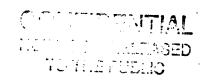
Reference: 9, pp. 13 through 17 and 28 through 39 of 57

Documentation for Source SD-2, Contaminants:

Based on validated analytical results of samples collected by Radian Engineering in December 1994.

The intermittent stream sediment sample (SD-2) was evaluated as a soil sample. Several volatile organics were detected in SD-2 at concentrations greater than three times background levels. 1,2-Dichloroethene was detected at 10,000D ppb, tetrachloroethene was detected at 39 ppb, trichloroethene was detected at 160 ppb, and vinyl chloride was detected at 48 ppb. Vinyl chloride and tetrachloroethene concentrations were flagged as "J" values during validation because the holding time was exceeded. However, these data were used to evaluate this source because there was no laboratory flag.

Soil sample SF-5 was designated as the upgradient background soil sample. No volatile organic compounds were detected at this location.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 152
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

Reference: 17, pp. 49, 74, 76, 208-210, and 274 of 584

Documentation for Source S-1, Contaminants:

Based on validated analytical data collected by Radian in December 1994 S-1 was found to be contaminated with several volatile organic compounds. S-1 contained 24 ppb trichloroethane, 100 ppb 1,2-DCE, and 32 ppb TCE at concentrations greater than three times background levels.

SF-5 was designated as the background sample because of its location upgradient and away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 206-207, and 274 of 584

Documentation for Source SF-1, Contaminants:

Based on validated analytical data from soil samples collected by Radian in December 1994. SF-1 was found to contain 66 ppb of 1,2-DCE at concentrations greater than three times background levels.

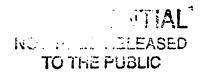
SF-5 was designated as the background sample because of its upgradient location away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 213-214, and 274 of 584

Documentation for Source SF-2, Contaminants:

Based on validated analytical results from subsurface soil samples collected by Radian in December 1994. SF-2 was found to be contaminated with 51,000D ppb 1,2-DCE and 2,800 ppb TCE at concentrations greater than three times background levels.

SF-4 was designated as the background subsurface sample because of its upgradient location away from other sources. No 1,2-DCE or TCE was detected in SF-4.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 153
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

SF-2 and SF-4 were sampled from the 5-7 foot intervals.

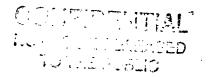
Reference: 17, pp. 47, 48, 50, 215-222, and 273 of 584

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 154 SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 2 SD-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	To: Val	cicity lue			
Dichloroethylene, Tetrachloroethene Trichloroethylene Vinyl chloride	trans-1,2-	100 100 10 10000			

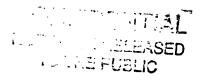


# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 155 SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 3 S-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	
Dichloroethylene, trans-1,2 Trichloroethane, 1,1,1- Trichloroethylene	- 100 1 10	-



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 156
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Toxicity
Substance Value

Dichloroethylene, trans-1,2- 100

TO THE PUBLIC

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 157
SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT WASTE CHARACTERISTICS
Erdle Perforating - 11/16/95

Toxicity factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	8.82E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 158 SOIL EXPOSURE PATHWAY RESIDENT POPULATION THREAT TARGETS Erdle Perforating - 11/16/95

Targets

Level I Population:

0.0

Value: 0.00

Documentation for Level I Population:

There are no residences, schools, or day care centers on the site or within 200 feet.

Reference: Figure 1; 3, p. 4 of 5

Level II Population:

0.0

Value: 0.00

Documentation for Level II Population:

There are no residences, schools, or day care centers on the site or within 200 feet.

Reference: Figure 1; 3, p. 4 of 5

Workers:

60.0

Value: 5.00

Documentation for Workers:

There are 60 workers at the site.

Reference: 3, p. 3 of 5

Resident Individual: Potentia Value:

0.00

Resources:

NO

Value:

0.00

#### Documentation for Resources:

There is no commercial agriculture, silviculture, or livestock grazing on the site. The site is a private industrial site.

Reference: 3, pp. 1-5 of 5

Terrestial Sensitive Environment Value

- N/A and/or data not specified

Terrestrial Sensitive Environments Factor: 0.00

Documentation for Terrestrial Environment :

Based on HRS Table 5-5, there are no terrestrial sensitive environments on the site.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 160 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE Erdle Perforating - 11/16/95

#### Likelihood of Exposure

No.	Source ID	Level of Contamination	Attractiveness/ Accessibility	Area of Contam. (sq. feet)
2	SD-2	Level II	10	1
3	S-1	Level II	10	1
4	SF-1	Level II	10	1
Highest Attractiveness/Accessibility Value: 10 Sum of Eligible Areas Of Contamination (sq. feet): 3 Area of Contamination Value: 5				

Likelihood of Exposure Factor Category: 5

Documentation for Attractiveness/Accessibility, Source TCE UST CONTAM SOIL:

Based on HRS Table 5-6, site is accessible to the public, but there is no evidence of recreational use = 10.

Reference: 1, p. 1 of 1; 3, p. 4 of 5; 17, p. 11 of 584

Documentation for Attractiveness/Accessibility, Source SD-2:

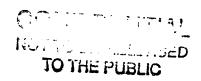
Based on HRS Table 5-6. Site is accessible to the public, but there is no evidence of recreational use = 10.

Reference: 1, p. 1 of 1; 3, p. 4 of 5; 17, p. 11 of 584

Documentation for Attractiveness/Accessibility, Source S-1:

Based on HRS Table 5-6. Site is accessible to the public, but there is no evidence of recreational use = 10.

Reference: 1, p. 1 of 1; 3, p. 4 of 5; 17, p. 11 of 584



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 161
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

Documentation for Attractiveness/Accessibility, Source SF-1:

Based on HRS Table 5-6.

Site is accessible to the public, but there is no evidence of recreational use = 10.

Reference: 1, p. 1 of 1; 3, p. 4 of 5; 17, p. 11 of 584

Documentation for Attractiveness/Accessibility, Source SF-2:

Based on HRS Table 5-6.

Site is accessible, but there is no evidence of recreational use = 10.

Reference: 1, p. 1 of 1; 3, p. 4 of 5; 17, p. 11 Of 584

Source No.	Hazardous Substance	Depth (ft.)	Concent.	Cancer	RFD	Units
2	Dichloroethylene, trans-1,2-	< 2	1.0E+01	0.0E+00	1.2E+04	ppm
2	Tetrachloroethene	< 2	3.9E-02	1.1E+01	5.8E+03	ppm
2	Trichloroethylene	< 2	1.6E-01	5.3B+01	0.0E+00	ppm
	Vinyl chloride	< 2	4.8E-02	3.1E-01	0.0E+00	ppm
	Dichloroethylene, trans-1,2-	< 2	1.0E-01	0.0E+00	1.2E+04	ppm
	Trichloroethane, 1,1,1-	< 2	2.4E-02	0.0E+00	0.0E+00	ppm
	Trichloroethylene	< 2	3.2E-02	5.3E+01	0.0E+00	ppm
	Dichloroethylene, trans-1,2-	< 2	6.6E-02	0.0E+00	1.2E+04	ppm

Documentation for Source TCE UST CONTAM SOIL, Contaminants:

Soil samples collected from the excavation pit of a TCE underground storage tank indicated the presence of contamination of organic solvents. Contaminants in the soil were caused by leakage from the tank.

Sample Location E was utilized as background because it contained the lowest volatile organic concentrations and no soil sample was collected from outside the excavation to use as background. TCE and PCE were undetectable in E; 1,2-DCE was detected at 0.66 ppm.

Sample Locations D, F-K, and M-P were contaminated with TCE at



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 162
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

concentrations greater than three times background levels. TCE concentrations ranged from 0.053 to 6,618 ppm.

Sample Location D, G, H, J, and L-O were contaminated with 1,2-DCE at concentrations greater than three times background levels. 1,2-DCE concentrations ranged from 2.4 to 354 ppm.

Sample Locations D, F-H, J, O, and P were contaminated with tetrachloroethene (PCE) at concentrations greater than three times background levels. PCE concentrations ranged from 0.091 to 600 ppm. Sample Location O contained the highest level of contamination of volatile organics.

Analytical data are not validated. Quantitation limits for this sample are 50 ppb (ug/kg).

Reference: 9, pp. 13 through 17 and 28 through 39 of 57

Documentation for Source SD-2, Contaminants:

Based on validated analytical results of samples collected by Radian Engineering in December 1994.

The intermittent stream sediment sample (SD-2) was evaluated as a soil sample. Several volatile organics were detected in SD-2 at concentrations greater than three times background levels. 1,2-Dichloroethene was detected at 10,000D ppb, tetrachloroethene was detected at 39 ppb, trichloroethene was detected at 160 ppb, and vinyl chloride was detected at 48 ppb. Vinyl chloride and tetrachloroethene concentrations were flagged as "J" values during validation because the holding time was exceeded. However, these data were used to evaluate this source because there was no laboratory flag.

Soil sample SF-5 was designated as the upgradient background soil sample. No volatile organic compounds were detected at this location.

Reference: 17, pp. 49, 74, 76, 208-210, and 274 of 584



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 163
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE
Erdle Perforating - 11/16/95

Documentation for Source S-1, Contaminants:

Based on validated analytical data collected by Radian in December 1994 S-1 was found to be contaminated with several volatile organic compounds. S-1 contained 24 ppb trichloroethane, 100 ppb 1,2-DCE, and 32 ppb TCE at concentrations greater than three times background levels.

SF-5 was designated as the background sample because of its location upgradient and away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 206-207, and 274 of 584

Documentation for Source SF-1, Contaminants:

Based on validated analytical data from soil samples collected by Radian in December 1994. SF-1 was found to contain 66 ppb of 1,2-DCE at concentrations greater than three times background levels.

SF-5 was designated as the background sample because of its upgradient location away from sources. No volatile organics were detected in SF-5.

Reference: 17, pp. 47, 49, 213-214, and 274 of 584

Documentation for Source SF-2, Contaminants:

Based on validated analytical results from subsurface soil samples collected by Radian in December 1994. SF-2 was found to be contaminated with 51,000D ppb 1,2-DCE and 2,800 ppb TCE at concentrations greater than three times background levels.

SF-4 was designated as the background subsurface sample because of its upgradient location away from other sources. No 1,2-DCE or TCE was detected in SF-4.

SF-2 and SF-4 were sampled from the 5-7 foot intervals.

Reference: 17, pp. 47, 48, 50, 215-222, and 273 of 584



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 164 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 2 SD-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance		oxicity alue
Dichloroethylene, Tetrachloroethene	trans-1,2-	100 100
Trichloroethylene		10
Vinyl chloride		10000



#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 165 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 3 S-1

Source Hazardous Waste Quantity Value: 0.00

	oxicity alue	
Dichloroethylene, trans-1,2- Trichloroethane, 1,1,1-	1	
Trichloroethylene	10	

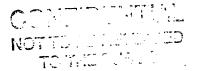
#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 166 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

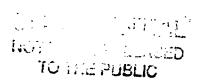
Hazardous Toxicity Substance Value

Dichloroethylene, trans-1,2- 100



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 167 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT WASTE CHARACTERISTICS Erdle Perforating - 11/16/95

Toxicity Factor:	1.00E+04		
Sum of Source Hazardous Waste Quantity Values:	8.82E-05		
Hazardous Waste Quantity Factor:	10		
Waste Characteristics Factor Category:	18		



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 168 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS Erdle Perforating - 11/16/95

Nearby Individual

Population within 1/4 mile: 190.0

Nearby Individual Value: 1.0

Population Within 1 Mile

Travel Distance Category	Number of People	Value	
<pre>&gt; 0 to 1/4 mile &gt; 1/4 to 1/2 mile &gt; 1/2 to 1 mile</pre>	190.0 576.0 3532.0	0.4 0.7 3.3	

Population Within 1 Mile Factor: 4.0

Documentation for Population > 0 to 1/4 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 13 of 13

Documentation for Population > 1/4 to 1/2 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 13 of 13



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 169 SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS Erdle Perforating - 11/16/95

Documentation for Population > 1/2 to 1 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 12 of 13

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# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

PAGE: 170

OBSERVED RELEASE

No. Sample ID	Distance (miles)	Level o	of Contam	lnation	
- N/A and/or data not spe	ecified				
		Observed	Pelesse		 



#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE

Erdle Perforating - 11/16/95

#### Gas Migration Potential

#### GAS POTENTIAL TO RELEASE

	Source		Gas Contain Value		Gas Migrtn Potent Value	• _	Gas Potential to Rel. Value
Source ID	Type		(A)	(B)	(C)	Sum (B+C)	A(B+C)
TCE UST CONTAM SOIL	Contaminated	Soil	10	19	17	36	360
SD-2	Contaminated	Soil	10	19	17	36	360
S-1	Contaminated		10	19	17	36	360
SF-1	Contaminated	Soil	10	19	17	36	360
SF-2	Contaminated	Soil	10	19	17	36	360
	- <b></b>			. <b>.</b>			

Gas Potential to Release Factor:

360

171

PAGE:

Documentation for Gas Containment, Source TCE UST CONTAM SOIL:

Based on HRS Table 6-3.

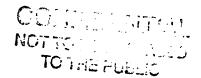
Contaminated soils were observed from 0 to 1 foot below ground surface. Although site is vegetated with little exposed soil, there is no uncontaminated soil cover. Cover soil is also medium-to coarse-grained, unsaturated, and unresistant to gas migration. As a result, containment factor = 10.

Reference: 1, p. 1 of 1; 17, pp. 11, 18, and 46-51 of 584

Documentation for Source Type, Source TCE UST CONTAM SOIL:

Source consists of contaminated soil associated with a TCE UST excavation. Analytical results indicated contaminated soil was present in the walls and floor of the excavation.

Reference: 9, pp. 14-16 of 57



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

**PAGE: 172** 

Documentation for Secondary Source Type, TCE UST CONTAM SOIL:

There were no secondary sources associated with the contaminated soil.

Reference: 9, pp. 13 and 17 of 57

Documentation for Gas Containment, Source SD-2:

Based on HRS Table 6-3.
All situations except those specifically listed = 10.
Source consists of contaminated surface soil (intermittent stream sediment).

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 76 of 584

Documentation for Source Type, Source SD-2:

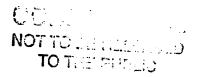
Sampling performed by Radian Engineering in December 1994 indicated contaminants were present in a sediment sample from an intermittent surface water body on the site at concentrations greater than three times background levels. The intermittent sediment sample was evaluated as a soil sample.

Reference: 17, pp. 74 and 76 of 584

Documentation for Secondary Source Type, SD-2:

No secondary sources were found to be associated with SD-2.

Reference: 17, p. 32 of 584



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

**PAGE:** 173

Documentation for Gas Containment, Source S-1:

Based on HRS Table 6-3.
All situations except those specifically listed = 10.
Source consists of contaminated surface soil.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 49 of 584

Documentation for Source Type, Source S-1:

Based on validated analytical results from the RI by Radian, S-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47 and 49 of 584

Documentation for Secondary Source Type, S-1:

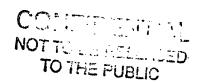
No secondary sources were reported to be associated with this source.

Reference: 17, pp. 47 and 49 of 584

Documentation for Gas Containment, Source SF-1:

Based on HRS Table 6-3.
All situations except those specifically listed = 10.
Source consists of contaminated surface soil.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 49 of 584



#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE

Erdle Perforating - 11/16/95

Documentation for Source Type, Source SF-1:

Based on validated analytical data from the RI, SF-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background values.

Reference: 17, pp. 47 and 49 of 584

Documentation for Secondary Source Type, SF-1:

No secondary sources were found to be associated with this sample location.

Reference: 17, pp. 47 and 49 of 584

Documentation for Gas Containment, Source SF-2:

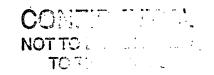
Based on HRS Table 6-3. All situations except those specifically listed = 10. Source consists of contaminated subsurface soil with contaminated soil at the surface.

Reference: 1, p. 1 of 1; 17, pp. 47-50 of 584

Documentation for Source Type, Source SF-2:

Based on validated analytical results from the RI, subsurface soil at SF-2 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47, 48, and 50 of 584



PAGE:

174

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE Erdle Perforating - 11/16/95

**PAGE:** 175

Documentation for Secondary Source Type, SF-2:

No secondary sources were found to be associated with this location.

Reference: 17, pp. 47 and 50 of 584

PAGE: 176

Source: TCE UST CONTAM SOIL

Gaseous Hazardous	Substance		Substance Potential	
Dichloroethylene, Tetrachloroethene Trichloroethylene	trans-1,2-	17 17 17		

Average of Gas Migration Potential Value for 3 Hazardous Substances: 17.000

Gas Migration Potential Value From Table 6-7: 17



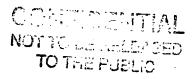
**PAGE: 177** 

Source: SD-2

Gaseous Hazardous	Substance	Hazardous Substance Gas Migration Potential Value	
Dichloroethylene, Tetrachloroethene Trichloroethylene Vinyl chloride	•	17 17 17 17	

Average of Gas Migration Potential Value for 3 Hazardous Substances: 17.000

Gas Migration Potential Value From Table 6-7: 17



#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY LIKELIHOOD OF RELEASE

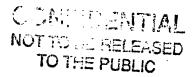
Erdle Perforating - 11/16/95

Source: S-1

Gaseous Hazardous Substance	Hazardous Substance Gas Migration Potential Value
Dichloroethylene, trans-1,2-	17
Trichloroethane, 1,1,1-	17
Trichloroethylene	17
<u>-</u>	

Average of Gas Migration Potential Value for 3 Hazardous Substances: 17.000 

> Gas Migration Potential Value From Table 6-7: 17



PAGE:

178

#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 179 AIR PATHWAY LIKELIHOOD OF RELEASE

Erdle Perforating - 11/16/95

Source: SF-1

Hazardous Substance Gas Gaseous Hazardous Substance Migration Potential Value 

Dichloroethylene, trans-1,2-17

Average of Gas Migration Potential Value for 3 Hazardous Substances: 17.000 

Gas Migration Potential Value From Table 6-7:

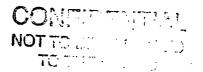
PAGE: 180

Source: SF-2

Gaseous Hazardous	Substance		Substance Potential	
Dichloroethylene, Trichloroethylene	trans-1,2-	17 17		

Average of Gas Migration Potential Value for 3 Hazardous Substances: 17.000

Gas Migration Potential Value From Table 6-7: 17



#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: AIR PATHWAY LIKELIHOOD OF RELEASE

Erdle Perforating - 11/16/95

Particulate Migration Potential

PARTICULATE POTENTIAL TO RELEASE

Partic.Partic. Partic.
Partic. Source Migrtn. Potential
Contain.Type Potent. to Rel. Source Value Value Sum Value Source ID  $(A) \qquad (B) \qquad (C) \qquad (B+C) \quad A(B+C)$ Type

- N/A and/or data not specified

Particulate Potential to Release Factor:

Documentation for Particulate Containment, Source TCE UST CONTAM SOIL:

Based on HRS Table 6-9.

Contaminated soils were observed from 0 to 1 foot below ground surface. Although site is vegetated with little exposed soil, soil cover is medium- to coarse-grained, unsaturated, and unresistant to gas migration. As a result, containment factor = 10.

Reference: 1, p. 1 of 1; 17, pp. 11, 18, and 46-51 of 584

Documentation for Source Type, Source TCE UST CONTAM SOIL:

Source consists of contaminated soil associated with a TCE UST excavation. Analytical results indicated contaminated soil was present in the walls and floor of the excavation.

Reference: 9, pp. 14-16 of 57

TO THE PUBLIC

181

**PAGE: 182** 

Documentation for Secondary Source Type, TCE UST CONTAM SOIL:

There were no secondary sources associated with the contaminated soil.

Reference: 9, pp. 13 and 17 of 57

Documentation for Particulate Containment, Source SD-2:

Based on HRS Table 6-9. All situations except those specifically listed. Source consists of contaminated surface soil (intermittent stream sediment).

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 76 of 584

Documentation for Source Type, Source SD-2:

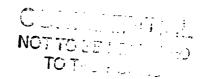
Sampling performed by Radian Engineering in December 1994 indicated contaminants were present in a sediment sample from an intermittent surface water body on the site at concentrations greater than three times background levels. The intermittent sediment sample was evaluated as a soil sample.

Reference: 17, pp. 74 and 76 of 584

Documentation for Secondary Source Type, SD-2:

No secondary sources were found to be associated with SD-2.

Reference: 17, p. 32 of 584



7/25/94 PAGE: 183

Documentation for Particulate Containment, Source S-1:

Based on HRS Table 6-9.
All situations except those specifically listed = 10.
Source consists of contaminated surface soil.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 49 of 584

Documentation for Source Type, Source S-1:

Based on validated analytical results from the RI by Radian, S-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47 and 49 of 584

Documentation for Secondary Source Type, S-1:

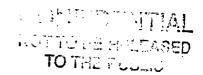
No secondary sources were reported to be associated with this source.

Reference: 17, pp. 47 and 49 of 584

Documentation for Particulate Containment, Source SF-1:

Based on HRS Table 6-9.
All situations except those specifically listed = 10.
Source consists of contaminated surface soil.

Reference: 1, p. 1 of 1; 3, pp. 1-5 of 5; 17, p. 49 of 584



PAGE: 184

Documentation for Source Type, Source SF-1:

Based on validated analytical data from the RI, SF-1 was found to be contaminated with volatile organic compounds at concentrations greater than three times background values.

Reference: 17, pp. 47 and 49 of 584

Documentation for Secondary Source Type, SF-1:

No secondary sources were found to be associated with this sample location.

Reference: 17, pp. 47 and 49 of 584

Documentation for Particulate Containment, Source SF-2:

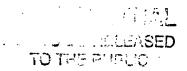
Based on HRS Table 6-9.
All situations except those specifically listed = 10.
Source consists of contaminated subsurface soil overlain by contaminated surface soil.

Reference: 1, p. 1 of 1; 17, pp. 47-50 of 584

Documentation for Source Type, Source SF-2:

Based on validated analytical results from the RI, subsurface soil at SF-2 was found to be contaminated with volatile organic compounds at concentrations greater than three times background levels.

Reference: 17, pp. 47, 48, and 50 of 584



**PAGE:** 185

Documentation for Secondary Source Type, SF-2:

No secondary sources were found to be associated with this location.

Reference: 17, pp. 47 and 50 of 584

Documentation for Particulate Migration Potential:

Based on HRS Figure 6-2.

Reference: 1, p. 1 of 1

Source: TCE UST CONTAM SOIL

Particulate Hazardous Substance

**PAGE: 187** 

Source: SD-2

Particulate Hazardous Substance

NOT THE PUBLIC

Source: S-1

Particulate Hazardous Substance

Source: SF-1

Particulate Hazardous Substance

PAGE: 190

Source: SF-2

Particulate Hazardous Substance

NOT TO BE RELEASED TO THE PUBLIC

PAGE: 191

Source: 1 TCE UST CONTAM SOIL

Source Hazardous Waste Quantity Value: 0.02

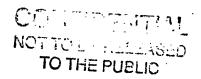
Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2	- 100	1.00E+00	NA	1.00E+02
Tetrachloroethene	100	1.00E+00	NA	1.00E+02
Trichloroethylene	10	1.00E+00	NA	1.00E+01

CO...

Source: 2 SD-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2	- 100	1.00E+00	NA	1.00E+02
Tetrachloroethene	100	1.00E+00	NA	1.00E+02
Trichloroethylene	10	1.00E+00	NA	1.00E+01
Vinyl chloride	10	1.00E+00	NA	1.00E+04



PAGE: 192

PAGE: 193

Source: 3 S-1

Source Hazardous Waste Quantity Value: 0.00

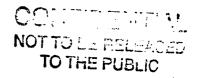
Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2	- 100	1.00E+00	NA	1.00E+02
Trichloroethane, 1,1,1-	1	1.00E+00	NA	1.00E+00
Trichloroethylene	10	1.00E+00	NA	1.00E+01



Source: 4 SF-1

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substanc	_	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Dichloroethylene.	trans-1.2-	100	1.00E+00	NA	1.00E+02



**PAGE: 195** 

Source: 5 SF-2

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
Dichloroethylene, trans-1,2	- 100	1.00E+00	NA	1.00E+02
Trichloroethylene	10	1.00E+00	NA	1.00E+01

#### PREscore 3.0 - PRESCORE.TCL File 07/25/94 AIR PATHWAY WASTE CHARACTERISTICS

Erdle Perforating - 11/16/95

Hazardous Substances Found in an Observed Release

Sample Observed Release ID Hazardous Substance Particulate Gas Toxicity/ Toxicity/

PAGE:

196

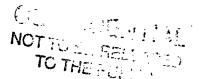
Mobility Value Mobility Value

- N/A and/or data not specified

Documentation for Particulate Mobility:

Based on HRS Figure 6-3. Site is located in Monroe County, New York.

Reference: 1, p. 1 of 1



Toxicity/Mobility Value from Source Hazardous Substances:	1.00E+04
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+0
Toxicity/Mobility Factor:	1.00E+04
Sum of Source Hazardous Waste Quantity Values:	1.66E-02
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	18

Erdle Perforating - 11/16/95

Actual Contamination

Distance

No. Sample ID (miles) Level of Contamination

- N/A and/or data not specified

#### Potential Contamination

Distance Categories Subject to Potential Contamination	Population	Value
Onsite > 0 to 1/4 mile > 1/4 to 1/2 mile > 1/2 to 1 mile > 1 to 2 miles > 2 to 3 miles > 3 to 4 miles	60.0 190.0 576.0 3532.0 18051.0 25045.0 44150.0	5.3000 4.1000 2.8000 8.3000 8.3000 3.8000 7.3000

Potential Contaminantion Factor: 40.0000

Documentation for Population Onsite Distance Category:

There are 60 people working on-site.

Reference: 3, p. 3 of 5

Documentation for Population > 0 to 1/4 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 13 of 13

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Erdle Perforating - 11/16/95

Documentation for Population > 1/4 to 1/2 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 13 of 13

Documentation for Population > 1/2 to 1 mile Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 12 of 13

Documentation for Population > 1 to 2 miles Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 12 of 13

Documentation for Population > 2 to 3 miles Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 12 of 13



199

PAGE:

Erdle Perforating - 11/16/95

Documentation for Population > 3 to 4 miles Distance Category:

Population determined using population from 1990 census data by Frost Associates.

Reference: 19, p. 12 of 13

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PAGE: 200

Erdle Perforating - 11/16/95

Nearest Individual Factor

Level of Contamination: Potential

Distance in miles: 0 to 1/8

Nearest Individual Value: 20

Documentation for Nearest Individual:

The nearest regularly occupied building is the Erdle Perforating building at the site. There are 60 workers at the site. The estimated distance from contaminant sources to the building is 10 ft. = 0.002 mile.

Reference: 3, p. 3 of 5

Resources

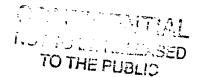
Resource Use: NO

Resource Value: 0

Documentation for Resources:

No resources identified.

Reference:



PAGE:

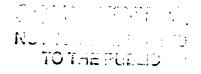
201

Erdle Perforating - 11/16/95

Actual Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	
- N/A and/or data not	specified	
Actual Contamination, We	tlands	
Distance Category	Wetland Acreage	Wetland Acreage Value
- N/A and/or data not	specified	
Sensitive Environments Act	======================================	ion Factor: 0.000

(Sum of Sensitive Environments + Wetlands Values)



202

Erdle Perforating - 11/16/95

Potential Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value	Distance Weight	Weighted Value/10
Unnamed Tributary	0.000	5	1.0000	0.500
Little Black Creek	0.500	5	0.0540	0.027
Genesee River	2.900	5	0.0023	0.001
Erie Canal	2.300	5	0.0023	0.001
				0.529
Sum of Sensitive Environments Weighted Values/10:				

#### Potential Contamination, Wetlands

Distance	Wetland	Wetland	Distance	Weighted
Category	Acreage	Acreage Value	Weight	Value/10
<pre>&gt; 3 to 4 miles &gt; 2 to 3 miles &gt; 1 to 2 miles &gt; 1/2 to 1 mile &gt; 1/4 to 1/2 mile &gt; 0 to 1/4 mile</pre>	2006.0	500.0	0.0014	0.070
	940.0	500.0	0.0023	0.115
	323.1	350.0	0.0051	0.179
	167.0	175.0	0.0160	0.280
	30.2	25.0	0.0540	0.135
	9.3	25.0	0.2500	0.625

Total Wetland Acreage: 3475.6

Sum of Wetland Weighted Acreage Values/10: 1.404

Sensitive Environment Potential Contamination Factor: 2.000

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30.

Total wetland acreage from 0 to 0.25 mile from the site = 9.33 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1

203

PAGE:

Erdle Perforating - 11/16/95

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30.

Total wetland acreage from 0.25 to 0.5 mile from the site = 30.21 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30. Total wetland acreage from 0.5 to 1 mile from the site = 167.0 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30.

Total wetland acreage from 1 to 2 miles from the site = 323.12 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30.

Total wetland acreage from 2 to 3 miles from the site = 940 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1



PAGE:

204

Erdle Perforating - 11/16/95

Documentation for Sensitive Environment Tot. Wetland Acre:

Based on a planimetric study of Reference 30.

Total wetland acreage from 3 to 4 miles from the site = 2005.6 acres.

Reference: 30, p. 1 of 1; 34, p. 1 of 1

Documentation for Sensitive Environment Unnamed Tributary:

The unnamed tributary to Little Black Creek is designated as a Class C stream within the 4-mile radius of the site. The unnamed tributary is located adjacent to the site.

Class C streams are protected for fish life and fish propagation. HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 14 and 17 of 18; 28, p. 4 of 5

Documentation for Sensitive Environment Little Black Creek:

Little Black Creek is designated as a Class C and Class B stream within the 4-mile radius of the site. At its nearest location from the site, the Little Black Creek is located 0.5 mile from the site.

Class C and Class B steams are protected for fish life and fish propagation.

HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

Reference: Fig. 1; 1, p. 1 of 1; 27, pp. 14, 17 & 18 of 18; 28, p. 4 of 5

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PAGE:

205

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The Genesee River is designated as a Class B stream within the 4-mile radius of the site. At its nearest location from the site, the Genesee River is located 2.9 miles from the site.

Class B streams are protected for fish life and fish propagation.

HRS Table 4-23 used to determine sensitive environment value.

State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 13 & 18 of 18; 28, p. 4 of 5; 30, p.1 of1

Documentation for Sensitive Environment Erie Canal:

Documentation for Sensitive Environment Genesee River:

The Erie Canal is designated as a Class B stream within the 4-mile radius of the site. At its nearest location, the canal is located 2.3 miles from the site.

Class B streams are protected for fish life and fish propagation. HRS Table 4-23 used to determine sensitive environment value. State designated areas for the protection of aquatic life = 5.

Reference: 1, p. 1 of 1; 27, pp. 6 & 8 of 18; 28, p. 4 of 5; 30, p. 1 of 1

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PAGE: 206